Lucent Technologies
Bell Labs Innovations

Ralph L. McMurry
Corporate Counsel

Lucent Technologies Inc.
Room B2168
131 Morristown Road
Basking Ridge, NJ 07920

Telephone 908 630 2818
Facsimile 908 204 8565
Internet address
rmcmurry@lucent.com

March 11, 1997

VIA OVERNIGHT MAIL
Mr. Pat Evangelista
Emergency and Remedial Response Division
U. S. Environmental Protection Agency
290 Broadway, 19th Floor
New York, New York 10007-1866

Re: Request for Information
Diamond Alkali Superfund Site, Passaic River Study Area

Dear Mr. Evangelista:

Please refer to our letter of February 28, 1997 wherein we advised you of our intent to forward certain documents under separate cover. The documents enclosed with this letter are those documents. These documents are self explanatory, but please feel free to call if you have any questions.

References to non-relevant material have been deleted. See our response to question 5(b).

As noted in our response to question 5(c), these documents do not contain any material relating to remediation activity that began in 1985 under the auspices of the State of New Jersey.

We are continuing our search for more documents. If any responsive material is found we will supplement our response. This search is difficult because the facility was closed more than 12 years ago.

Please let me know if you have any questions.

Very truly yours,

Ralph L. McMurry

Enclosures

cc: Ms. Amelia Wagner

853860001

FLAMMABLE AND COMBUSTIBLE LIQUIDS

CONTENTS

1. GENERAL

1.1 This instruction establishes and controls the precautionary measures to be taken in the handling, storage, dispensing, and use of flammable liquids at all Company locations. Attention is also directed to the requirements established in CI 76.206, "Fire Prevention Precautions", CI 76.212, "Spra Finishing Precautions", CI 32.200, "Fire Insurance With Extended Coverage" and CI 61.161, "Transportation of Dangerous Articles".

1.11 Where any codes, laws, rules, or regulations of the Public Authorities having jurisdiction at the location impose more stringent requirements than those cited in this instruction, such codes, laws, rules, or regulations shall be followed. Attention is directed to National Fire Protection Associati Code No. 30 and Occupational Safety and Health Standards Subpart H.

1.12 Where local facilities or conditions indicate a need for deviating from any of the requirements of this instruction, full information covering each specific situation shall be forwarded to the Assistant Manager, Fire Protection Engineering and Plant Inspection, Corporate Engineering for detailed review and instructions.

1.13 Preliminary plans for proposed new and revisions to existing flammable and combustible liquids facilities shall be submitted for advance design approval to the Assistant Manager, Fire Protection Engineering and Plant Inspection.

1.2 Since the heating of flammable and combustible liquids and solids causes a marked increase in the rate of vaporization and simultaneously lowers the lower explosive limit for vapor-air mixtures, extraordinary care shall be taken with any process requiring the heating of these materials. The heating of these materials above their flash point shall be avoided. A high temperatur

limit switch shall be provided to prevent overheating to the auto-ignition temperature. The switch shall be located in a separate circuit with an interdependent contactor located on the line slide of the temperature control contactor.

1.3 Attention is directed to materials which accelerate combustion or explosion by furnishing oxygen, or by acting as catalytic agents. Such materials shall be stored separately from flammable and combustible liquids. Whenever there is doubt about the properties of any solvent or agent or safe conditions of use, the functional local engineering organization shall determine the hazards and shall prescribe the appropriate safeguards to be observed subject to the requirements of paragraph 1.13.

2. DEFINITIONS

2.1 The flash point of a liquid is defined as the lowest temperature at which it gives off vapor in sufficient concentrations to form an ignitable mixture with air near the surface of the liquid within the test vessel. Flash points of specific liquids in use at the various locations may be obtained from the manufacturers or from the National Fire Protection Association Standards No. 325M, "Fire Hazard Properties of Flammable Liquids, Gases and Volatile Solids".

2.2 Liquids having a flash point below 100°F (37.8°C) shall be considered as flammable liquids and shall be subdivided into three classes as follows:

2.21 Class IA shall include those having flash points below 73°F (22.8°C) and having a boiling point below 100°F (37.8°C).

2.22 Class IB shall include those having flash points below 73°F (22.8°C) and having a boiling point at or above 100°F (37.8°C).

2.23 Class IC shall include those having flash points at or above 73°F (22.8°C) and below 100°F (37.8°C).

2.3 Liquids having a flash point at or above 100°F (37.8°C) shall be considered as combustible liquids and shall be subdivided into three classes as follows:

2.31 Class II shall include those having flash points at or above 100°F (37.8°C) and below 140°F (60°C).

2.32 Class IIIA shall include those having flash points at or above 140°F (60°C) and below 200°F (93.4°C).

2.33 Class IIIB shall include those having flash points at or above 200°F (93.4°C).

3. DELIVERIES OF FLAMMABLE AND COMBUSTIBLE LIQUIDS

3.1 Laboratory organizations may order and receive nonstock Class I and II liquids in quantities not to exceed five gallons per shipment subject to the prior approval of the functional local engineering organization. See paragraph 4.161 for storage limitations.

3.2 Deliveries of flammable and combustible liquids by tank car or tank truck shall be transferred directly into designated storage tanks. Unloading operations involving Class I liquids shall be supervised by a member of the functional organization. The Procedures noted below shall be followed prior to the start of unloading.

3.21 Notification of deliveries shall be given to the local fire brigade chief so that fire fighting personnel may be designated to stand by.

3.22 The tank car or truck shall be grounded and bonded to the Company's tank or fill connection.

3.23 "No Smoking" signs shall be posted approximately fifty feet from the unloading point along the normal approaches to that area.

3.24 Tank car unloading warning signs shall be clamped to the rails in accordance with railroad requirements.

3.25 Care shall be taken to verify the identity of the liquid and the tank designated to receive it.

3.26 The tank level shall be checked to verify that sufficient tank capacity is available to accept the delivery without overflow.

3.3 Flammable and combustible liquids delivered in drums or other containers shall not be allowed to remain on any platform or in any general receiving area for more than six hours prior to being removed to the flammable liquids storage room or other designated storage facility.

3.4 Where Class I and II liquids delivered in drums are to be transferred to underground or surface tanks, a bonding cable shall be attached between the drum and tank or fill connection prior to the transfer operation.

3.5 Bungs shall be replaced immediately after drums are emptied. Empty drums or containers shall not be allowed to accumulate for more than four hours on any general receiving and shipping platform or in any general area within buildings. Empty drums and containers shall be removed to the flammable liquids storage room or to the approved yard storage area.

4. CONTAINERS

4.1 The following requirements shall be met in the selection, application and maintenance of containers used to hold Class I and II liquids.

4.11 Manufacturers' containers may be used for the storing of Class I and II liquids in the central liquids storage area and other designated areas. These containers shall have the contents clearly identified. When emptied, manufacturers' containers shall be kept closed while awaiting disposition.

4.12 Safety cans shall be used for the storage, distribution, dispensing and collection of Class I and II liquids. The safety cans shall have openings protected by flame arrestors and shall be approved by the Factory Mutuals or Underwriters' Laboratories.

4.13 Viscous liquids safety cans with gate valves shall be used for the distribution and dispensing of viscous liquids.

4.14 Safety cans may be used for other than Class I and II liquids at the discretion of the functional local engineering organization provided that the cans are labeled using solvent resistant materials to identify the contents and the can does not have a red finish.

4.15 Containers used for the collection of Class I and II waste liquids in operating areas shall be safety waste liquid disposal cans approved by the Factory Mutuals or Underwriters' Laboratories. See paragraph 6.3 for disposal precautions.

4.16 Nonmetalic containers shall not be used for the storage and handling of Class I and II liquids except under the following circumstances:

4.161 Standard laboratory bottles of one quart capacity or less may be used as required in laboratories. Quantities of individual Class I and II liquids in excess of one quart shall be kept in approved safety cans. Original nonmetalic containers shall be stored in an approved flammable liquids storage cabinet when the total quantity of storage in a laboratory area exceeds five gallons. The total volume of Class I and II liquids storage shall not exceed 60 gallons.

4.162 Bottles of one quart capacity or less may be used in medical or first-aid treatment area. When the total quantity of storage in nonmetalic bottles in the area exceeds five gallons, such storage shall be kept in an approved flammable liquids storage cabinet.

4.163 Nonmetalic containers of one gallon capacity or less may be used to store Class I and II liquids in the designated storage faciliti where manufacturers' instructions specify leaving in original containers.

4.17 All safety cans used in the storage or handling of Class I and II liquids shall have a bright red finish and be prominently labeled using solvent resistant materials to identify the contents. The outside of all safety cans shall be kept clean, and all identification markings shall be maintained in legible condition. Safety cans shall not be used for liquids or mixtures other than that for which they are marked.

4.18 Class I and II liquids used in office areas shall be handled in approved safety cans. Total quantities of Class I and II liquids kept in the office area shall not exceed a one day supply or the capacity of the smallest approved safety can.

4.19 Class I and II liquids used in reproduction rooms shall be handled in approved safety cans. Total quantities of Class I and II liquids kep in the area shall not exceed a one day supply. When the total quantities required for daily operations exceed 5 gallons, an approved flammable liquids storage cabinet shall be provided for the storage of safety cans not in actual use.

4.2 The design and use of dip tanks, parts washers, and similar open vessels used to hold flammable or combustible liquids shall conform to the provisions of the latest issue of the National Fire Protection Association Standard No. 34, "Standard for Dip Tanks Containing Flammable or Combustible Liquids".

4.3 Before attempting any repairs, welding or cutting of containers which have held flammable and combustible liquids, they shall be prepared for the work in accordance with National Fire Protection Association Standard No. 327 "Standard Procedures for Cleaning or Safeguarding Small Tanks and Containers". Containers, after cleaning, shall be filled with water to the highest practical level prior to any welding or burning. The space above the water level shall be vented to allow the heated vapor and air to escape.

5. STORAGE

5.1 Central storage facilities and general storage practices for flammable and combustible liquids shall meet the requirements established within the scope of Sections 6 and 7 of CI 76.206, "Fire Prevention Precautions". In addition, the following specific storage practices and precautions shall be observed.

5.11 Class I and II liquids, outside of daily operational needs, shall be kept in the designated central storage areas, metal flammable liquids storage cabinets constructed in accordance with National Fire Protection Association Code No. 30, "Flammable and Combustible Liquids" Chapter 4, or tanks unless specifically excepted herein.

5.12 Class I and II liquids shall be kept in closed containers at all times. Containers and drums which have held flammable liquids shall have covers, caps, or bungs replaced promptly after the contents have been removed.

5.13 The quantity of Class I and II liquids stored shall be kept to a minimum consistent with applicable limitations of paragraph 1.11, normal requirements and reasonable delivery arrangements.

5.14 In central flammable liquids storage areas, permanently installed grounded busbars shall be provided for convenience and flexibility in attaching grounding cables (see par. 6.5).

5.15 All tools, funnels, vent plugs, and other devices used in areas where Class I and II liquids are stored or handled shall be of nonsparking alloys.

5.16 Explosion proof refrigerators listed by Underwriters' Laboratories for Class I groups C&D (electrical classification) shall be provided for Class I and II liquids which require refrigerated storage.

5.17 Excellent housekeeping shall be maintained at all times in storage areas, flammable liquids storage cabinets and at tank car and truck unloading points.

5.18 Whenever any container shows signs of bulging, deterioration, leakage, or breakage, the contents shall be promptly transferred to a sound container.

5.2 Both the inside and outside of all storage areas containing Class I and II liquids shall be prominently posted with signs prohibiting smoking within the area and within fifty feet of the area.

5.21 For storage of Class I and II liquids in laboratories, medical areas, offices and reproduction rooms see paragraphs 4.161, 4.162, 4.18 and 4.19.

6. DISPENSING

6.1 Paragraphs 6.11 through 6.17 are a Dispensing Guide for Class I and II Liquids.

6.11 The functional engineering department or the supervisors of organizat requiring Class I and II liquids on a continuous basis should submit written authorization for withdrawal to the organization responsible for the storage and dispensing of these materials from the central store rooms. The notification should show pertinent information such as but not limited to the name and/or raw material number of the materials, daily and weekly maximum withdrawal volumes and designated employees authorized to make withdrawals.

6.12 Authorizations should be routed for approval by the functional environmental and the fire protection organizations.

6.13 A copy of the approved authorization shall be forwarded to the organization noted in paragraph 6.14.

6.14 The organization responsible for the storage and dispensing of Class and II liquids should maintain a record showing pertinent information such as but not limited to the name and/or raw material number of the material daily and weekly maximum withdrawal volumes, designated employees authorized to make withdrawals, date and volume of withdrawal.

6.15 Authorizations for withdrawal should be kept current and updated at least on an annual basis.

6.16 Single withdrawals of Class I and II liquids for a specific purpose should be handled in accordance with the procedure in paragraphs 6.11 and 6.12.

6.17 Class I and II liquids should not be transferred from one department to another.

6.2 Tanks, drums and other containers used to hold flammable and combustible liquids shall be provided with self-closing dispensing faucets or drum transfer pumps approved for this use by the Factory Mutuals or Underwriters' Laboratories. Bung openings used to relieve vacuum created by dispensing operations shall, in all cases, be protected by approved safety bungs.

6.3 Where drums are to be refilled, an approved combination vent and fill fitting shall be used.

6.4 For dispensing viscous liquids from drums, an approved viscous liquid self-closing drum valve shall be used.

6.5 In any dispensing or transfer of Class I and II liquids from one container to another, bonding shall be provided between the containers. No dispensing or transfer of Class I and II liquids shall be permitted where open flames or other sources of ignition exist near the possible path of vapor travel.

6.6 Except as specifically provided otherwise in this instruction, the transporting or carrying of flammable liquids to and from points of use within the plant shall be in approved safety cans as described in paragraph 4.

6.7 Class I and II liquids in safety cans may be transported within a facility on manual powered vehicles. Where distance warrants the use of powered vehicles to transport these liquids within the plant property, a skid or pallet equipped in a manner to prevent the cans from sliding off and/or tipping over due to rough surface routes, sudden vehicle deceleration and rapid turns shall be provided.

6.8 Class I and II liquids in drums may be transported on manual powered vehicles. Where distance warrants the use of powered vehicles to transport these liquids within the plant property, they shall be secured to prevent their falling off the transporter.

6.9 The use of safety mobile dispensers for Class I and II liquids may be permitted with the prior approval of the Assistant Manager, Fire Protection Engineering and Plant Inspection, Corporate Engineering, and is subject to periodic review.

6.91 Such mobile dispensers shall be steel and shall have a capacity of not more than 60 gallons. They shall be equipped with an approved hand-operated transfer pump and a combination flame arrestor - relief fitting in the fill opening. The complete unit shall be as approved by Factory Mutual or Underwriters' Laboratories. Flexible cable shall be provided for bonding to the receiving container during dispensing and the discharging vessel while filling the mobile dispenser unit. All portable tanks shall be painted bright red and conspicuously marked in 2 inch high yellow letters "Danger - Flammable Liquids". The mobile dispenser unit shall be provided with a floor lock device or other means of positive braking to prevent the tank from moving during transfer operations.

7. PRECAUTIONS TO BE OBSERVED DURING USE

7.1 The specific uses of Class I and II liquids shall be subject to review for approval by the functional enviromental and the fire protection organization. Class I liquids shall not be approved for any applications for which less hazardous liquids would be equally suitable.

7.2 The handling, storing, and dispensing of Class I and II liquids shall be restricted to designated employees who have been advised of the hazards involved and trained in the proper procedures for handling, storing and dispensing of materials.

7.3 The employees whose work requires the use of Class I and II liquids shall be instructed in the hazards involved and the procedures and precautions pertinent to their work. Such instructions shall include but not be limited to coverage of at least the following points.

7.31 Class I and II liquids shall be kept only in the designated containers and never in makeshift containers.

7.32 Prompt action is essential in extinguishing flammable liquid fires.

7.33 Shutdown procedures to be used in the event of fire.

7.34 The location and use of fire extinguishers.

7.35 Class I and II solvents shall not be used for personal cleaning purposes.

7.36 All personnel using Class I and II liquids shall be informed of the precautions against fire prescribed in Section 7 of CI 76.206, "Fire Prevention Precautions".

7.37 Personnel involved in spray finishing operations shall be informed of the requirements of CI 76.212, "Spray Finishing Precautions".

7.38 The storage and use of Class I and II liquids shall be avoided within ten feet of any exit access way or exit.

7.4 The volume of Class I and II liquids in the areas of use shall not exceed one day's estimated requirements, and any unused amounts shall be removed from benches and other points of use for return to the designated storage facility at the end of each day.

853860010

8. VENTILATION

8.1 Before flammable or combustible liquids are stored dispensed and used, mechanical ventilation shall be provided in accordance with requirements of all jurisdictional authorities.

8.2 Exhaust hoods with connections to exhaust stacks extending to a point above roof level shall be provided in areas where Class I and II liquids are used when directed by the local functional engineering organization.

8.3 For processes involving heated materials (par. 1.2) sufficient ventilation shall be provided to maintain a vapor-air mixture not exceeding 25% of the lower explosive limit.

8.4 The vent openings on the sides of the approved flammable liquids storage cabinets shall have the plugs removed and be kept open.

Refer correspondence to Dept. Chief,
Fire Protection Engineering,
Standards or telephone X-3216
(CORNET 222).

GENERAL MANAGER,
CORPORATE ENGINEERING

For Action:
All Divisions

Formerly:
P.C.S. 110
ages 1 thru 9 of
8-1-61
Pages A-1 and A-2 of
6-10-65

Reason for reissue:
Complete revision throughout.

853860011

Western Electric Company, Inc.

76.302-10
M. D. I. 75.10
Reissue August 29, 1961
Replaces issue of 5-5-54

HAZARDS-TOXIC, CORROSIVE AND FLAMMABLE MATERIALS

1. GENERAL

1.1 This instruction prescribes the responsibilities for compilation and maintenance of the list of Hazards, (toxic, corrosive and flammable materials) which is published locally as M. D. I. 75.10 Appendix A.

1.2 Definitions

Toxic and Corrosive Materials:

Those materials which if taken internally in relatively small quantities, can cause serious immediate injury or death, as well as other substance sometimes referred to as "industrial poisons" which produce their harmful effect from repeated or prolonged exposure to relatively small quantities of the substance. Injury from these poisons may result from breathing the dust, vapors, mists, or gases, by swallowing the material, or by absorption through the skin.

Flammable Materials:

Liquids or solid substances which are readily ignited or which give off combustible vapors when heated to their respective flash points.

*1.3 Related Instructions

M. D. I. 75.10 4	Storing and Handling of Poisonous Substances, Acids, and Other Harmful Chemicals.
M. D. I. 6-894.1	Engineering Headquarters and Manufacturing Locations

** Plant Construction Standard 110 - Flammable Liquids

*1.4 Hawthorne branch 7300, Development Engineering, is the Engineering Headquarters for this subject. (See EM report Q894.1).

2. COMPILATION AND MAINTENANCE

2.1 The local Hazards Engineer is responsible for the compilation and maintenance of the information in Appendix "A", subject to the approval of the local Plant Inspection Engineering organization.

853860012

M

2.2 Appendix "A" shall list the following information.

a - Toxic, corrosive and flammable materials.
b - The applicable RM number.
c - Classification of hazard according to type and degree.
d - Color of safety container (if any).
e - Label to be used on material.

2.21 Additions or changes shall be made to the list by the hazards engineer as they become necessary.

2.21 1 Functional raw material Engineer shall notify the local Hazards engineer when a new material is to be used, a change made in material now in use, or use of a material is discontinued.

2.22 The list shall be reviewed by the Hazards engineer semi-annually.

2.3 All changes, additions, reviews shall be forwarded by the Hazards engineer to the local Business Methods organization for revision of the local instruction.

3. All hazardous materials, as listed in Appendix "A", shall be labeled, stored, withdrawn, handled and used in accordance with the requirements specified in M. D. I. 75. 10 4 and Plant Construction Standard 110 so that hazards are minimized or eliminated.

MANUFACTURING DIVISION

Reason for reissue: Par. 1. 3 and Par. 3 - Deleted reference to M. D. I. 75. 10 11 and added reference to P. C. S. 110. Par. 1. 4 - Changed org. 7600 to read 7300.

M

853860013

WESTERN ELECTRIC CO., Inc. 17 SUBJECT RESULTS OF TEST BORING SK # 3455-AE&-01

DEPT. 3455 #7 MADE FOR H.T. LINE BTWN

ENG'R A.E. GARDNER BLDGS 170 & 175 IN 1962-63 DATE 10-24-69

NOTES	ELEV (FT)	SOIL DESCRIPTION
GROUND LEVEL	+9.33	
		MISC FILL
	+3.33	
WATER LINE	0.00	GRAY SILT & PEAT
	-5.67	
		SOFT GRAY SILT
	-19.09	
		MEDIUM GRAY SAND
	-27.84	
		TRACE CLAY - COARSE SAND & GRAVEL
	-33.17	
		FINE RED SAND & CLAY
	-37.67	
		FINE RED SAND & CLAY
	-47.67	
		CLAY
	-51.17	
		FINE RED SAND
	-58.67	
		COMPACT RED CLAY & FINE SAND
	-68.92	
	-70.67	COMPACT SAND - GRAVEL
		COMPACT SAND & GRAVEL
	-80.00	
		SHALE

31

853860014

WESTERN ELECTRIC ENVIRONMENTAL POLLUTION SURVEY

Plant Design and Construction

June, 1970

C

In May of this year, the Plant Design & Construction Organization was requested to attend a meeting chaired by the AT&T Department of Environmental Affairs for the purpose of identifying areas of concern within Bell System. The meeting was attended by representatives of AT&T, Bell Telephone Laboratories and Western Electric Company.

AT&T proposed a top management seminar to be attended by the major elements comprising the Bell Telephone System at Western Electric's Corporate Education Center to review pollution problems within the Bell System.

The Western Electric representatives suggested that such a meeting would be fruitless in the absence of a more in depth analysis of our own Company's problems in the area of environment. We did subsequently hold a seminar; the following is an abstract of the report of that seminar:

The Pollution Control Seminar or Work Shop was held June 29, 30 and July 1 at the Corporate Education Center. Its goal was to identify pollution problems peculiar to the Western Electric Company in the areas of air, water and solid wastes.

Generally, we ascertained that we are not exploiters of our environment in the sense that chemical and steel industries may be nor are we polluters in any legal sense. Generally, we meet all requirements of Federal, State and Local codes. However, in some instances, we have had to request variances and/or stream allocations for dilution purposes in order to meet restrictive requirements. We anticipate that codes will become more restrictive, requiring more effort and more investment at all of our locations.

WATER POLLUTION CONTROL

The methodology for treating waste water is fairly well established insofar as secondary treatment is concerned. Tertiary treatment, which will be required at some locations in the future to remove the dissolved solids, is not so well advanced. Some of our manufacturing plants have industrial waste treatment facilities for the reduction and/or neutralization of our process effluents. Those locations that are not so equipped have agreements with their local municipalities to accept the waste partially treated or completely untreated. It is generally conceded that the day-to-day operation of our waste abatement facilities does not present a pollution problem. However, a potential problem exists in the possible accidental spills, operators' mistake, failure of equipment or ruptured tank. One state, Pennsylvania, has enacted legislation to control the accidental pollution incident and it is anticipated that other states will follow their lead.

The identification of specific contaminants such as mercury and lead has led to a concerned awareness at our locations that there is a

WATER POLLUTION CONTROL (Cont'd)

need to monitor these elements in our effluents. The probability that other contaminants, not identified as yet, will become "problems" in the future, is almost a certainty.

Restrictions placed on the use of water, though not a pollution problem, is related in that it will require conservation efforts and recycling in order to optimize the use of this resource. Several locations have already been required to explore alternate sources of water because of restrictions imposed by municipalities. The ever increasing demand for high quality water as our products become more sophisticated and more miniaturized will ultimately force us to examine the possibilities for recycling. More research will be required to enable us to make more efficient use of the available water.

AIR POLLUTION CONTROL

Much has yet to be learned about the contamination of the atmosphere. There are conflicting theories concerning the ultimate disposition of some so-called contaminants such as carbon dioxide and the oxides of nitrogen. One of our main concerns is to identify and measure the level of contamination, if any, attributable to our process effluents. The methods that are now acceptable by the Regulatory Authorities generally involve wet chemistry and they are slow and expensive techniques. We are presently scrubbing approximately 1/3 of our plating area exhausts. We expect a future need to install abatement equipment for all the plating and etching exhausts to remove acid and alkali fumes. We also anticipate requirements to remove hydrocarbon exhausts from spraying and baking areas.

SOLID WASTE

By definition for the purpose of the Pollution Control Workshop, we included liquid waste disposed of by scavenger in with the solid waste category. The various locations, both in Manufacturing and in the Service Division, produce significant quantities of cardboard paper, wood, plastic and other solids which are disposed of by haulage to municipal and private dumping areas. In the main, the waste is hauled by a scavenger, although a few locations use Company trucks. A few locations reported estimate longevity of dumping areas at up to 20 years. The majority, however, indicated expected lives of under 10 years with some reporting 1 to 3 years.

Disposal of liquid waste by scavenger without regard to the ultimate disposition was not uncommon in the past. However, these means of disposal are greatly disappearing. At least one location is faced with a problem of disposing of toxic liquid waste which the scavenger has refused to accept.

SOLID WASTE (Cont'd)

One means of reducing the amount of solid waste is incineration. Incineration can be a practical means of disposal if wastes are segregated, and incinerators are properly designed, maintained and operated. However, the reappraisal of the total system, identifying the initial source of the waste and taking steps to reduce and/or recycle, would be a far more acceptable solution.

IMPLEMENTATION OF A POLLUTION ABATEMENT PROGRAM

Most conferees felt that centralized control by a headquarters organization was necessary for the successful implementation of a pollution abatement program. A need exists for an audit or annual inspection of pollution control equipment to ensure effective operation and maintenance. This central organization should publish guides and provide for a continuing communication of data from the field. An additional function would be to review equipment design drawings and specifications prior to installation.

SUMMARY

The conferees at the Work Shop expressed appreciation for being able to participate in discussions concerning environmental pollution and felt that there should be some vehicle established which would permit an interchange of information concerning the problems encountered in pollution control. They also expressed an interest in having more seminars on the subject.

ATTACHMENT A

SOLID WASTE SURVEY AT MANUFACTURING PLANTS

RUBBISH: Paper, Cardboard, Wood & Plastic

LOCATION	Cu. yds. per wk.	Loads per wk.	Cost per wk.	Hauled by	Dump Miles	Life Yrs.
	275	C-11	$1300	Cont		
	2130(a)	C-C-68	$2656	Cont	P-M-	5
	340	C-C-11	$ 550	Cont	P 5	10
	270	C-18	$ 600	WECO	M-12-1	20
	1750	C-C-10	$ 760	WECO	M	3
	205	C-10	$ 180	WECO	M-12	
	850(a)	C-50	$1100	Cont	P-15	5
	460	C-10	$ 335	Cont	P-20	10
KEARNY	880	C-22	$1425	Cont	M-4	
	713	C-8	$ 187	Cont	M-2-1/2	
	50 est.	C-3	$ 200	Cont	M-6	2
	1000	C-29	$1506(1)	WECO	M-5	5
	200	C-10	$ 630	Cont	P-M-7	15
	500	C-20	$ 400	Cont	P-17	1
	1100(a)	C-30	$1455	Cont	M-6	2
	559	C-13	$ 442	Cont	M-10	
	250	C-8	$ 700	Cont	P-10	10
	510	C-15	$ 520	Cont	P-10	4
	500	C-C-16	$1250	Cont	P	
	106		$ 210	Cont		
	80	4	$ 320		P-10	
	180 est.	C-C-11	$ 550	WECO	Mil. 3	10
	170	10	$ 350	Cont	P-14	
	180	C-5	$ 230	Cont	P-5	10
	100	C-5	$ 500	Cont	P-20	
	33	C-10	$ 380	Cont	P-10	12

O = Open Truck
C = Compacting Truck
P = Privately Owned
M = Municipal Owned

Cont. = Contractor or Scavenger
(1) = Includes Labor
(a) = Does not include plastics which are salvaged

ATTACHMENT B

SOLID WASTE SURVEY AT MANUFACTURING PLANTS

LIQUIDS: (Not Handled by Treatment Plant

LOCATION	OILS gals. wk.	SOLVENTS FLAMMABLE gals. wk.	TOXIC gals. wk.
	3000 (a)	(a)	275
	20	6150	550
	200		
	55	550	
	10,500	10,000	9000
	(a)	250	(a)
	5000	1100	
	1000	11,000	1600
KEARNY	(a)	2700 (a)	(a)
	(a)	100 (a)	(a)
	165		55
	(a)	1000 (a)	(a)
	1370	100	
	1099	300	1375
			440
		3500	1500
		350	
	(a)	60 (a)	
	(a)	7 (a)	
	75		
	50	150	
			4300
	(a)	280 (a)	(a)
			2
	20 (a)	10 (a)	10 (a)

(a) = These materials are mixed together.

853860020

CONFIDENTIAL

ATTACHMENT 1

SCRAP WASTE SURVEY AT MANUFACTURING PLANTS

NOTE: All Metals are salvaged by Nassau Smelting or local scrap dealer

LOCATION	qty/wk tons con.	qty/wk tons wFCO
KEARNY	295	
	4.4	
	150	
	M	
	140	
	M	
	M	
	21	9
	15	
	13	
	M	
	142	204.9
	.6	
	1 load/wk	
	300#	10

M = Mixed with Paper rubbish

853860021

Problem	Example
1-Chemical spills washed into storm sewer	
2-Elimination of direct waste discharges to storm sewer	
3-Spills of fuel oil to storm sewer	
4-Caustic & Hydrofluoric acid spills	
5-Chemical spills in plating shops & chemical storage areas	
6-Oil discharge to sanitary sewer	
7-Storm sewer through hospital park pond	
8-Cleaning sumps of Copper chips - drawing compound, acids & grease	
9-Dumping problems from plating shops	
10-Industrial wastes to sanitary sewage treatment plant	Kearny
11-Chrome wastes to storm sewer	
12-Heat exchanges failure release of chromates	

853860022

III STREAM STANDARDS (Cont'd)

	Problem	
4.	Problem of maintaining total dissolved solids concentration if stream allocation removed	
5.	Lack of knowledge on new effluent standards from State and City	Kearny
6.	More stringent stream standards will necessitate best treatment possible	
7.	Problem of future stringent effluent standards	
8.	Ion interference with analysis of treated waste	

NOV 22 1971

File No. P.S. 4.7
Kearny
SPA - 2330

MEMORANDUM FOR RECORD

Re: Meeting with Passaic Valley Sewerage Commission
Proposed Kearny Treatment Facility

The writer met with Mr. S. A. Lubetkin, Chief Engineer for the Passaic Valley Sewerage Commission on November 17, 1971 to discuss the proposed installation of the Kearny Chemical Waste Treatment Plant. Also in attendance were Messrs. W. F. Koepke, J. R. Durante, R. V. Day and L. J. Milescia. The following items are in reference to our meeting.

1. The Passaic Valley Sewerage Commission has no objection to the discharge of pre-treated wastes to the Passaic River provided it meets effluent criteria. New effluent criteria standards are presently under review by the Commission.

2. The Passaic Valley Sewerage Commission would have jurisdiction of effluent discharged to the Passaic River. Approval, however, would also have to be obtained from the Corps of Engineers. Approval by the Passaic Valley Sewerage Commission would be almost automatic once the Corps has given approval. When the Plant is operational the Passaic Valley Sewerage Commission would be functional in periodically monitoring our effluent.

3. Should we decide to remain in the sewer system, approval by the Passaic Valley Sewerage Commission or the Corps of Engineers will not be required. Mr. Lubetkin did suggest we keep the Corps informed. Discharge to the sewer will require approval by the State and either the Interstate Commerce Commission or the Hudson County Sewer Authority pending final disposition of the town of Kearny sewerage treatment facility presently operated under jurisdiction of the State.

4. Regardless of our point of discharge the State should be kept informed. A meeting with the State is scheduled for Wednesday, November 24, 1971. A meeting with the Corps of Engineers will be scheduled sometime in the near future.

Before a final decision is made on the point of discharge it would be advisable to keep the Kearny Plant people informed since they may be aware of local considerations that might effect the final decision.

Design can proceed concurrent with our meetings with governing authorities.

Original signed by
T. L. CARROLL

:def

T. L. CARROLL

Copy to:
J. P. McGowan — W. F. Koepke — R. V. Day
R. B. Pucci — J. R. Durante — L. J. Milescia

File No. P.E. 4.7
Kearny
SPM - 2330

DEC - 2 1971

MEMORANDUM FOR RECORD

Re: Kearny Waste Treatment Plant

A meeting was held on November 24, 1971 with the State of New Jersey Department of Environmental Protection, Division of Water Resources. Attendees at that meeting were the writer, R. V. Day, and L. J. Milecki from the Western Electric Company and Messrs. Douglas Clark and Thomas Harding from the State. The following items were discussed:

1. The State sees no problem with the discharge from the proposed chemical waste treatment plant to the Passaic River.

2. When the State has had the opportunity of reviewing our proposed treatment system they may suggest that we go to batch treatment of cyanide rather than the flow-thru type as presently proposed.

3. Should we decide to discharge to the Passaic River, approval of the Corps of Engineers will be required. Since this can be time consuming, the State suggested that we ask the Corps if it would be permissible for us to operate the facility under a State permit until the Corps has had an opportunity to review and approve our application.

4. The State requires licensed operators for the treatment facility.

5. The State suggested that along with the Corps of Engineers we should contact the City of Kearny, the Interstate Sanitation Commission, and the Hudson County sewer authorities.

6. A brief discussion ensued as to the possibility of recycling any of our waste streams. We informed the State that we were looking into the possibility but were not in the position to make any commitments at this time.

It is suggested that the Kearny Plant people be invited to sit in on any further meetings we have with regulatory agencies.

Original signed by
T. L. Carroll

:def

T. L. CARROLL

Copy to:
J. P. McGowan
R. H. Pucci
E. F. Koppe
J. L. Durante
R. V. Day
L. J. Milecki

853860025

File No. PS 4.7
General

MEMORANDUM FOR RECORD

Re: Refuse Act Permit Application
Future Waste Treating Plant - Kearny

On June 16, 1972 Messrs. M. Koosman, L. J. Miloscia, and W. S. Boyhan met at the office of Mr. J. Falkenbury of the Corps of Engineers to discuss filing of an application for the future discharge.

The following conclusions were reached:

1. Submit a new Section II and a revised flow diagram for the new discharge on an "as proposed" basis, at least 120 days before start-up.

2. Do not submit a new Section I to conform with the new Section II.

3. The Corps will not issue a permit on the proposed discharge. They will take no action on the application for the proposed discharge until after they receive a revised Section II containing analyses based on representative samples taken after the new plant has been debugged and settled down. This revised Section II is to be accompanied by a revised Section I reflecting the "as is" status of the plant. Mr. Falkenbury indicated that the revised sections would usually not be expected until 6 months, or so, after initial plant start-up.

4. The lack of response from the Corps on the "as proposed" application cannot be taken as an indication that the Corps of EPA will accept the "as is" application.

Walter S. Boyhan

:def

WALTER S. BOYHAN
Senior Engineer

Copy to:
T. L. Carroll
W. H. Cooper - 123 William St.
M. Koosman - Kearny
R. V. Day
E. T. Lee
L. J. Miloscia
P. J. Mock
A. P. Durso, Jr.

COMPANY PRIVATE

Final Report

Environmental Information Survey Of 1972

June 1,1973

Plant Design and Construction

Western Electric

853860027

KEARNY - MAIN PLANT

Intake:

City Water - 1,710,000 GPD
Passaic River - 8,000,000 GPD - once-through untreated air conditioning cooling water.

Discharges:

To sanitary sewer: Five discharges containing untreated industrial and sanitary wastes and all other plant wastes.

To stream: One discharge containing the once-though, untreated cooling water for the power house air conditioning.

Waste Treatment:

At the time of the Survey, there were no waste treatment facilities in operation at the Kearny Works Main Plant. A new WTP, however, is in the process of being built.

Problem Parameters:

The following parameters were detected during the Survey at levels which would constitute violations of the Kearny sewer code:

Oil and Grease*	3 of 5 days

The following parameters were detected at significantly high levels but for which there are no applicable standards:

Zinc*
Total Dissolved Solids
Ammonia
Chromium, total**
Copper**
Nickel*
Fluoroborate
Chloride
Sodium

Comments:

*The location has indicated that several programs are underway to control oil and grease.

**The high levels are a result of the various plating facilities. These operations will be transferred to a new centralized plating facility whose effluent will be handled in the new WTP.

SEP 15 1976

MR. F. W. KLEINER - 83330

Re: Disposal of Waste Materials

We've reviewed your proposed section 7.8, paragraph 4.09 for disposal of Copper Protecting Wastes and have the following comments to offer.

1. Exclude any references to "or equivalent" for the materials you're presently using. Each material change must be revaluated to ensure that the instructions are correct for it.

2. For the Copper Cleaner Solution: Include instructions to the shop to periodically issue a purchase order to dispose of the waste acid through a scavanger licensed by the New Jersey Bureau of Solid Waste Management. The scavangers usually use a flat bed holding 80 drums. Establish your period based on full load disposal. Include in instructions method of filling out appropriate paper work. Our department will assist you in the total details once you've identified all the chemical constituents in the waste. This last instruction is required by DOT Hazardous Material legislation.

3. For the Redox 5020, 5020A & Displaced Water Mixture:

   a. A disposal purchase order will also be required here. Instructions should follow outline described for Copper Cleaner Solution, including appropriate paper work.
   b. All containers must be labeled "Flammable". It will be necessary to order a supply of appropriate labels. Transportation (Guy Pasquino) can assist there.
   c. Include in instructions: "For flammable liquids the waste disposal drum must be grounded and vented, and when filling from any metal container, bonded to that container."

The above information is mandatory because of [illegible] State and Federal Solid Waste Management and Hazardous [illegible] legislations. If you need any assistance related to those laws, contact Chris Tranchetti on extension 4304.

ORIGINAL SIGNED BY
J. G. AMBERS
J. G. AMBERS - 84520

GCT

GCT:84520:sp

853860029

SEP 22 1976

MR. J. G. AMBERS - 84520

Re: Your Memorandum of September 15, 1976, "Disposal of Waste Materials"

Following a discussion between G. C. Tranchetti and E. S. Harris in regard to Copper Protecting Wastes, the following is our understanding of action to be taken:

1. For the time being, we will continue to dispose of all Redox materials until something can be worked out for recovery and reuse.

2. The functional product engineer is responsible for ultimate disposal of any material not under centralized control. (Eventually all hazardous materials will be under OP control.)

3. Department 84520 will provide us with the latest applicable guidelines for ultimate disposal of hazardous wastes. We will use these guidelines as a basis for a purchase specification to obtain the services of a legally qualified scavenger.

4. Identification of the major chemical ingredients in a proprietary material will normally be sufficient, such as stoddard solvent for Redox.

5. Suppliers will be instructed to pick up only that material which is properly identified at the OP or Acid Waste Storage Yard.

6. During transfer of wastes to a 55 gallon drum, venting arrangements are to be worked out by the product engineer. This requirement, as we understand, is in addition to your instructions contained in your memorandum of June 25, 1975 for our existing copper protection operation. With the grounding procedure given in your memorandum, we do not think flame arrestors will be required.

7. We will use only the original containers for hazardous wastes.

8. In case of a material change, all shop instructions will be re-evaluated.

ESH:83330:cs

F. W. [illegible] - 83330

November 17, 1976

<u>MEMORANDUM FOR RECORD</u>

Re: Liquid Wastes

Experience gained since changing to a system of segregated liquid wastes indicates that in addition to the five classes described in my Memorandum for Record dated October 11, 1976, two more categories are needed in order to handle all of our shop and laboratory wastes. The seven categories are:

1. Alcohol
2. Acetone (will contain [illegible] compounds and components as contaminants)
3. Freons (TF and TMC)
4. Oils (lubricating, [illegible] and castor)
5. Trichloroethylene
6. Mineral Spirits
7. Toluene/Xylene (will [illegible] varnish as a contaminate.

For the small quantities of l[illegible] [illegible]stes generated by the testing laboratory, several of the a[illegible] [illegible]gories may be construed in their broad sense; namely, #1 - all [illegible], #2 - ketones, #5 - chlorinated hydrocarbons, #6 - non-aromat[illegible] [illegible]arbons and #7 - aromatic hydrocarbons.

Except that the containers ma[illegible] [illegible] to be as large as 55-gallon drums, the safety, labeling, and other [illegible]ation given in the October Memorandum shall also apply to the new [illegible] #6 and #7. These arrangements were discussed with Mr. G. C. [illegible] - 84520 in a telephone conversation on November 15, 1976.

J. G. WEINMAN - 85430

:ro

Copy to:

T. P. Engert	- 85400
W. E. Hower	- 85410
R. R. Wahlberg	- 85420
F. J. Reilly	- 85430
K. G. Mallett	- 85440
S. M. Patchel	- 85520
D. Rinato	- 85530
J. F. Keating	- 85631
J. Drake	- 85629
W. J. Thomas	- 85531
G. C. Tranchetti	- 84520
A. J. Basile	- 85430
R. A. Patricco	- 85430

853860031

STATUS REPORT

ON

SOLVENT USAGE

AT

WESTERN ELECTRIC
MANUFACTURING LOCATIONS

DECEMBER 1976

Issue II

Arthur H. Staheli
Environmental Engineering
Corporate Engineering Division
222 Broadway
New York, New York 10038

As Figure 1 shows, the layer of cold dry air created by the cold trap lies above the solvent vapor line and prevents vapor diffusion, the major cause of solvent loss in a degreaser. Cold traps lend themselves to all vapor degreasing solvents and can be adapted to other solvents and solvent consuming operations.

A testing program was completed at the Omaha Works, with solvent use reduction in excess of 40% achieved by the use of cold traps. In addition the following works locations also have cold traps installed:

3. Kearny

Carbon Bed Adsorbers

The most effective pollution abatement device used by Western Electric is the carbon bed adsorber. It prevents the emission of solvents to the atmosphere with 90+% efficiency by trapping, concentrating, and returning the emitted solvent for reuse.

Activated carbon has millions of microscopic capillaries throughout its structure, affording tremendous surface area per unit weight. As an example, one pound of carbon contains [illegible] million sq. ft. of surface area. When solvent laden air from a process is passed through an adsorber, the solvent is trapped in the capillaries of the carbon and solvent free air is emitted to the atmosphere. When the carbon bed is saturated, steam is passed through the bed, driving off the solvent. This is called desorbing, and from here the solvent laden steam is condensed and passed to a decanter where the water and solvent are separated, with the solvent being returned to the process.

TABLE II

COMPANY LOCATIONS USING CARBON ADSORBERS

	TYPE SOLVENT	ANNUAL RECOVERY GALLONS	NO. OF TWIN TANK INSTALLATIONS
	Perchlorethylene	40,000	Two
	Perchlorethylene	5,000	One
	Trichlorethylene	6,000	One
	Trichlorethylene	10,000	Seven
Kearny	Perchlorethylene	6,000	Two
	Trichlorethylene	100,000	Seven
	Perchlorethylene	25,000	Two
	Trichlorethylene	30,000	Eight
	Methylene Chloride	187,000	Two
	1.1.1 Trichlorethane	60,000	One
	Total Gallons Solvent Recovered	469,000*	

*Recovery rate anticipated by October 1, 1976.

Table II above shows the Western Electric plants currently using carbon bed adsorbers in their manufacturing operations.

TABLE III

PURCHASE AND INSTALLATION COSTS FOR CARBON BED ADSORBERS

TWIN BED AUTOMATIC UNITS

DIAMETER	C.F.M.	PURCHASE*	INSTALL.*
36"	800	$ 9,000	$13,000
48"	1,400	10,000	16,000
54"	1,700	17,000	24,000
72"	3,000	23,000	24,000
84"	3,800	40,000	42,000

*Based on the averaged prices paid by Western Electric locations.

Table III above gives actual average purchase and installation costs for the different size adsorbers in the various Western plants. While this table may be used for guideline estimates, it must be remembered that installation estimates depend very heavily on the size, configuration and length of ductwork involved and the elaborateness of the adsorber control system.

TABLE IV

ADSORBER EFFICIENCY TESTS

	DIAMETER	SOLVENT USED	EFF.	TEST PROC.
	72"	Perchlorethylene	98.5%	Env. Engrg. B'way., NY
	54"	Perchlorethylene	99.7%	Env. Engrg. " "
	36"	Trichlorethylene	93.7%	Dow Chemical
	54"	Trichlorethylene	-	Under Test
Kearny	36"	Perchlorethylene	97.5%	Env. Engrg. B'way., NY
	72"	Trichlorethylene	99.5%	Env. Engrg. " "
	72"	Perchlorethylene	98.5%	Ok. City
	84"	Methyl Chloride	95.0%	Env. Engrg. B'way., NY
	54"	Trichlorethylene	98.7%	Shreveport

Table IV above shows the high efficiencies revealed by the tests. Some locations performed their own tests, but used the same basic testing methods and equipment used in the corporate program.

MANUFACTURING LOCATIONS STATUS RELATIVE TO SOLVENT LEGISLATION

The following Table V is a condensed summary of the status of Western Electric's manufacturing locations with respect to state and local legislation enacted for the governing of hydrocarbon emissions from manufacturing processes, which use organic solvents in their operations. Under the heading marked "Applicable Legislation" is the actual section and paragraph of the governing solvent law for each location. In several cases this is a county law rather than a state law as is the case for most manufacturing locations. Under the heading of "Solvent Law" is a brief description of the type limitation enacted. Most of the laws are full adoptions of Rule 66 (illustrated on page 16) or modification of it. At this writing, all Western Electric's manufacturing locations are in full compliance with all federal, state and local solvent legislation.

853860035

SEP 1 6 1976

MR. F. W. KLEINER - 83330

Re: Disposal of Waste Materials

We've reviewed your proposed section 7.8, paragraph 4.09 for disposal of Copper Protecting Wastes and have the following comments to offer.

1. Exclude any references to "or equivalent" for the materials you're presently using. Each material change must be revaluated to ensure that the instructions are correct for it.

2. For the Copper Cleaner Solution: Include instructions to the shop to periodically issue a purchase order to dispose of the waste acid through a scavanger licensed by the New Jersey Bureau of Solid Waste Management. The scavangers usually use a flat bed holding 80 drums. Establish your period based on full load disposal. Include in instructions method of filling out appropriate paper work. Our department will assist you in the total details once you've identified all the chemical constituents in the waste. This last instruction is required by DOT Hazardous Material legislation.

3. For the Redox 5020, 5020A & Displaced Water Mixture:

   a. A disposal purchase order will also be required here. Instructions should follow outline described for Copper Cleaner Solution, including appropriate paper work.
   b. All containers must be labeled "Flammable". It will be necessary to order a supply of appropriate labels. Transportation (Guy Pasquino) can assist there.
   c. Include in instructions: "For flammable liquids the waste disposal drum must be grounded and vented, and when filling from any metal container, bonded to that container."

The above information is mandatory because of the current State and Federal Solid Waste Management and Hazardous Materials legislations. If you need any assistance related to those laws, contact Chris Tranchetti on extension 4304.

ORIGINAL SIGNED BY
J. G. AMBERS
J. G. AMBERS - 84520

GCT

GCT:84520:sp

853860036

October 11, 1976

MEMORANDUM FOR RECORD

Re: Waste Liquids

To comply with State Regulations, waste liquids must be segregated as opposed to the former practice of collecting all types in a single container. Deliveries to the flammable materials storeroom at Clark are now accumulated in four drums for shipment to Kearny by Company truck. The categories are:

1. Alcohol
2. Acetone
3. Freons (TF and TMC)
4. Oils (Lubricating, Hydraulic and Castor)

In addition to these materials, waste trichloroethylene is collected in a separate container during the periodic cleaning of the vapor degreasers.

If it becomes necessary, new categories can be added or the existing ones modified. Where mixtures are now allowed the compositions have the approval of the Environmental Engineering Organization.

For handling and storing these liquids, the same procedures as specified for the chief component of the waste shall apply. The instructions are given in Layout SEK-100 which references the applicable Company Instructions and manufacturing standards. Each emptied 55-gallon solvent drum that serves as a waste container shall have all the original labeling obliterated and the top head painted so as to accept the following stenciled designation, "Waste (name as listed above)/ Deliver to OP Store/From 85530".

C. G. WEINMAN

:ro

C. G. WEINMAN - 85430

Copy to:
T. P. Engert - 85400
W. E. Hower - 85410
R. R. Wahlberg - 85420
F. J. Reilly - 85430
K. G. Mallett - 85440
S. M. Patchel - 85520
D. Rinato - 85530
C. K. Wolf - 85620
J. C. Ambers - 84520
G. C. Tranchetti - 84520
A. J. Basile - 85430
W. J. Thomas - 85531
R. Frey - 85622
W. G. Higginson - 85633

853860037

November [illegible], 19[illegible]

MEMORANDUM [illegible]

Re: Liquid Waste

[illegible] of segregated liquid wastes [illegible] plastes described [illegible] my Memorandum [illegible], 1976, [illegible] categories are needed in order to handle [illegible] shop and laboratory wastes. The seven categories are:

1. Alcohol
2. Acetone [illegible] compounds and components [illegible]
3. Freons [illegible]
4. Oils [illegible] castor,
5. Trichloroethylene
6. Mineral Spirits
7. Toluene Xylene [illegible] varnish as a contaminate

For the small quantities of [illegible] wastes generated by the testing laboratory, several of the [illegible] may be construed in their broad sense; namely, #1 - all [illegible] #2 - ketones, #5 - chlorinated hydrocarbons, #6 - non-aromatic [illegible] carbons and #7 - aromatic hydrocarbons.

Except that the containers [illegible] to be as large as 55-gallon [illegible] the safety, labeling, and other [illegible] given in the October memorandum shall also apply to the new [illegible] #6 and #7. These arrangements were discussed with Mr. G. C. [illegible] - 84520 in a telephone conversation on November 15, 1976.

J. G. WEINMAN - 85430

:ro

Copy to:
C. P. Engert - 85400
W. E. Hower - 85410
R. R. Wahlberg - 85420
F. J. Reilly - 85430
K. G. Mallett - 85440
S. M. Patchel - 85520
D. Pinato - 85530
J. F. Keating - 85631
J. Drake - 85629
W. J. Thomas - 85531
G. C. Tranchetti - 84520
A. J. Basile - 85430
R. A. Patricco - 85430

853860038

Western Electric

100 Central Avenue
Kearny, N.J. 07032
201 344-7700

recycle

Environmental Control
and Safety Department

MAY - 5 1977

MR. W. A. STRENK, Department Chief
Environmental Engineering
222 Broadway

Re: Your Letter of April 27, 1977 on Solid Waste Disposal

This is in reply to your subject correspondence in which you requested information about Kearny's solid waste, recycling and reclaiming efforts. While questions 1, 2, and 3 requested disposal, reclaiming, recycling and selling information "annually", we only addressed our reply to 1976 data. The response to question 4 was provided in summary form for only 1976, but in detailed form (by scrap class and sub-class) for the years 1971-1976 inclusive. To assist you in interpreting these classes and sub-classes, we have also provided a copy of C.I. 50.417-Ky. Appendix A (Manufacturing Scrap Classifications Numerical Index).

Listed below, and attached, are the answers to your questions.

Q. 1. What quantity of a) paper, b) cardboard, and c) IBM cards are recycled or sold annually?

a. Paper - 7370 pounds sold
b. Cardboard - 30607 pounds sold
c. IBM Cards - 125367 pounds sold

Q. 2. What quantity of the following is disposed of or reclaimed annually?

	Disposed	Reclaimed at Kearny	Sold to Reclaimers
a. Perchloroethylene	-	3025 gal.	7150 gal.
b. Methylene Chloride	-	-	3347 gal.
c. Paint Sludge	4400 gal.	-	-
d. Other Mixed Solvents	-	-	14025 gal.
e. Waste Oil	-	-	43050 gal.

Western Electric

100 Central Avenue
Kearny, N.J. 07032
201 344-7700

recycle

Environmental Control
and Safety Department 8L3

Q. 3. Quantity and analysis of waste treatment plant sludge disposed of in landfill annually?

We've disposed of 318.95 tons. .t
es us t
st the ›le
s the c

Q. 4. What quantity of ferrous, non-ferrous, precious metals and plastics are sold to outside contractors, Nassau Recycle or Hawthorne Works?

Attached are three documents which in combination provide you with the desired information. One, marked "Kearny Works Sales of Reclaimed Materials - Year 1976" is a four page four section summary for last year. Section I is a summary of the materials shipp
Local Works Organizations (Headquarters) and
14,805,000 lbs. with a recovery value to Kear ı II,
III, and IV further breakdown Section I into
Classification (II), Principle Purchasers (II ſ).

The second attachment provides an identification of the quantities of all the material sold from 1971 through 1976 by scrap class. It is a seventeen page document and each page heading lists the specific material and the scrap class it falls into. The scrap class is further broken down to each sub-class and which Purchaser bought it.

The third attachment is C.I. 50.417-KY App. A. This spells out the appropriate description of each of the scrap classes and sub-classes. It's been provided in the event you desire to investigate any of the two previously mentioned attachments in more detail.

This sums up what has been provided. If there are any questions, contact Chris Tranchetti on 8-223-4304.

ORIGINAL SIGNED BY
J. G. AMBERS

GCT:84520:sp

J. G. AMBERS, Department Chief
Environmental Control and
Safety Department

Att. (4 Documents)

853860040

October 18, 1977

TO FUNCTIONAL PRODUCT ENGINEERING DEPARTMENTS

Re: Transportation of Hazardous Materials

To make sure that all products shipping from the Kearny Plant meet government regulations, we have reviewed present shipping practices. The one mode of shipment that concerns us most is air transport of hazardous materials. Two materials used in various Kearny products which are subject to close scrutiny when shipped by air are:

1. Mercury - mercury switches, relays, etc.
2. Magnetized Material - permanent magnets in speakers, door latches, etc.

It is of utmost importance that all product engineers check every phase of their operation to see if either hazardous material is used in the product or any component. Department 84520 must be notified, in writing, by all functional engineering organizations as to whether or not mercury or magnetic material is used in a product. If either material <u>is</u> used, Department 84520 must be notified as to the quantity used, the product or component, the part number, the specification to which the product was built, and all other pertinent information. If mercury or magnetic materials are <u>not</u> used, it is necessary that 84520 be so advised to assure a complete survey.

Your information should be in our hands not later than November 18, 1977. This will allow us to contact the packing engineers with regard to all packaging, labeling, and shipping regulations to assure compliance for all Kearny products.

J. B. BEN - 84520

JBB:84520:sp

Copy to:
G. J. Pasquino - 21510
T. R. Caruso - 84550

853860041

CONTAINER LABEL

KEARNY WORKS INTERNAL USE ONLY

RECEIVING

ORDER NO. _____ DATE REC'D _____

☐DEPOSIT, VALUE _____ ☐NON DEPOSIT

SUPPLIER _____

DELIVER TO

☐OP YARD ☐ACID YARD ☐OTHER _____

TRANSFER TO DEPT. _____ LOCATION _____ DATE _____

WASTE OR EMPTY

☐ EMPTY, DELIVER TO EMPTY DRUM YARD

☐ WASTE IDENTITY _____

DELIVER WASTE TO ☐WASTE OIL YARD

☐185 BLDG., ACID NEUTRALIZATION

WASTE FROM DEPT _____ DATE _____

Use permanent waterproof marker ONLY

Any Questions Contact Industrial Hygiene Engineer on X5445

KW61-2 8/81

853860042

PERCHLOROETHYLENE — FORECASTED 1978 USE (GALLONS)

	:0
	?0
	.0
	)0
	10
Kearny Works	24,100

[illegible] 209,000

der, 355-3799 — 1977 Annual use: 3,300 ga

Perchloroethylene used:
Degreasers - MC wire spring relay combs = 50%
Wave Soldering - circuit paks = 50%

They have replaced perchloroethylene in some hand cleaning [illegible] with a combination of peroxide and ammonia.

2.

Chmielowiec, 374-2525 — Annual use: 11,000 g

[illegible] used:
3 wave soldering - printed circuits
plan to install 2 additional wave soldering

[illegible] trichloroethylene in an emergeny

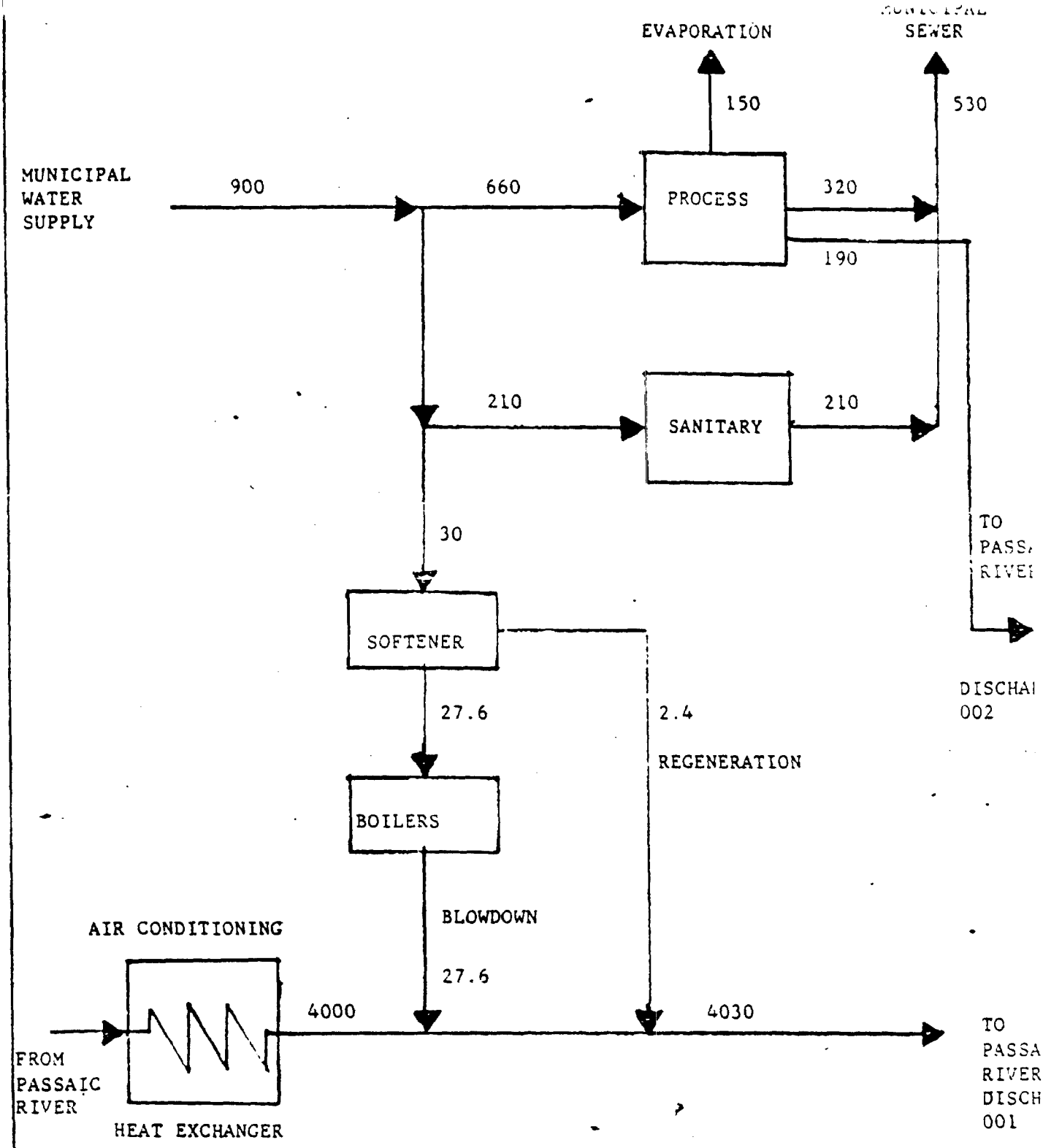
3.

359-4271 — Annual use: 1,000 g

1 wave soldering - circuit boards

Could probably substitute Freon TMC

853860043



ISSUE DATE: 9/8/78 PAGE 1 of 1	CH.	ENG.	TITLE SCHEMATIC OF WATER F (THOUSANDS OF GALLON PER DAY)
	DR.	TR.	SCALE
	APPL.		WESTERN ELECTRIC CO.. KEARNY, N.J.

K & E CO. 81068 N.Y.

PRINTED IN U.S.A.

853860044

853860045

WESTERN ELECTRIC COMPANY, INC.
ENGINEER OF MANUFACTURE
KEARNY, N.J.

APPROVED: 8432
AUGUST 1959-CPWACS

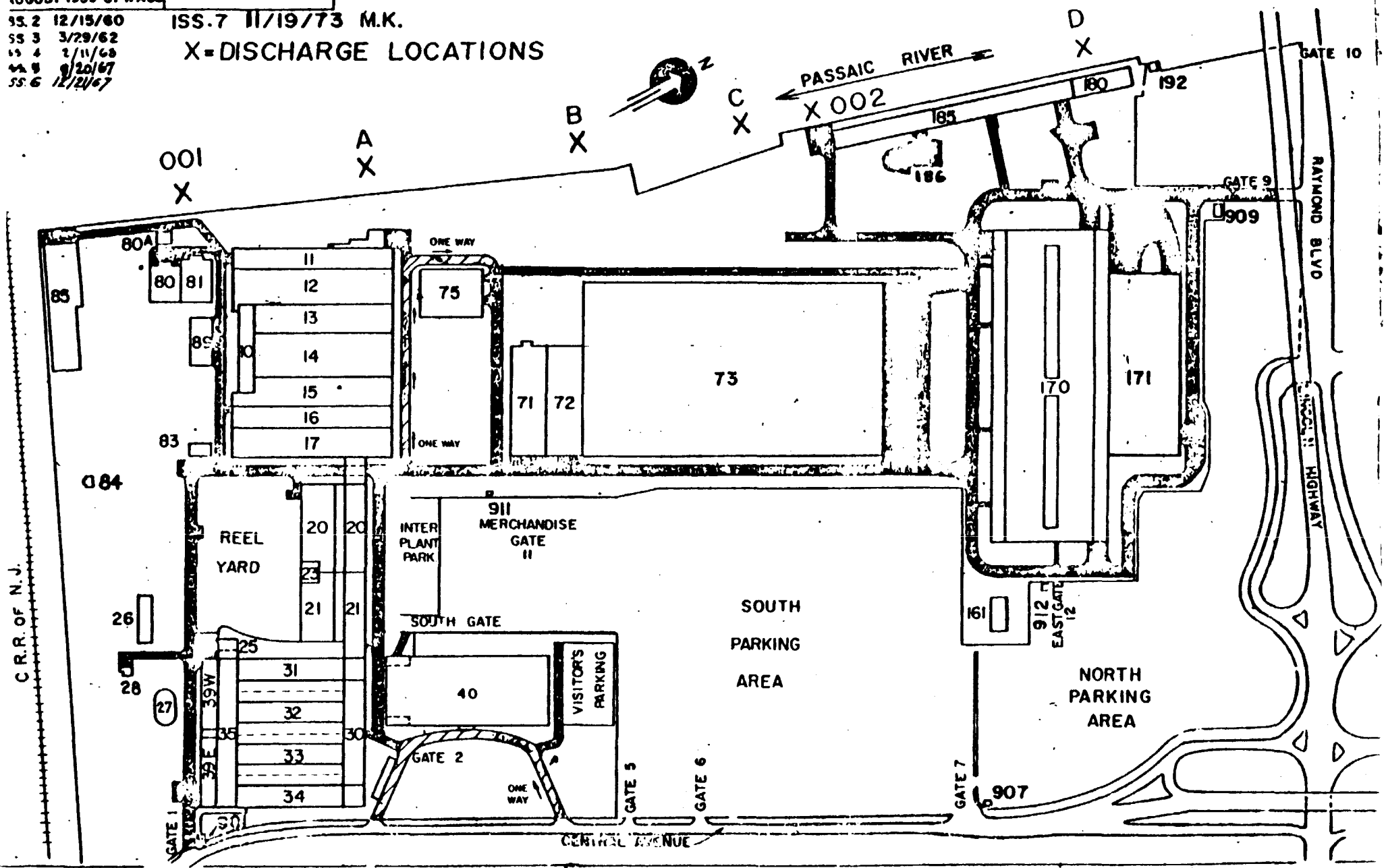
EPK-2036

SS 2 12/15/60
SS 3 3/29/62
SS 4 2/11/65
SS 5 9/20/67
SS 6 12/21/67

PLOT PLAN OF KEARNY TRACT

ISS. 7 11/19/73 M.K.

X = DISCHARGE LOCATIONS



PK 2036

MR.

NOV 1 2 1979

Re: Waste Materials in Drums

In the past, O.P. Stores, Department 24345, has accepted partly filled waste drums. As a result we continually have inventories of partially filled drums awaiting consolidation. Waste is consolidated by lifting partial drums on a truck and tipping them into a funnel. This method is arduous, hazardous and invites spills. Long periods of storage out-of-doors causes drum deterioration and leaks.

New Jersey's new spill law makes it impossible to continue this procedure. Effective 12-1-79, O.P. Stores will only accept completely filled waste drums. Partials will be returned to the shop of origin.

You are cautioned not to overfill waste drums. If an air space of approximately 4 inches is not left, thermal expansion of the liquid will fracture the drum and cause leaks.

J. T. CHIKOWSKI - 34520

BHR:34520:sr

Copy to:
R. Bondani - 34000
J. Kreitz - 34500
E. F. Chretien - 21100
H. J. Hill - 21400
E. F. Cronin - 21900
B. C. Lewis - 22600
W. J. Hardy - 22700
M. A. Bagden - 22800
R. J. Guthrie - 24200
J. J. Andry - 24300

Memorandum to:
A. MacFarlane - 21160
J. Logio - 21180
J. J. De Lorenzo - 21440
D. E. Williams - 21470
W. G. James - 21910
W. F. Osl, Jr. - 21920
A. A. Young - 21950
D. A. Haupt - 21980
A. A. Bielicki - 22010
J. F. Crowley - 22610
W. A. Kiley - 22630
K. J. Kubicki - 22740
J. R. Wojtowicz - 22750
C. E. Kiamie - 22780
C. W. Rutledge - 22810
H. V. Lawhead - 22820
J. J. Stapleton - 22840
V. J. Rumain - 22870
P. F. Torrell - 24010
R. J. Kochanski - 24210
L. E. Layendecker - 24220
C. H. King - 24250
J. L. Timmerman - 24260
J. T. Papailiou - 24270
T. P. Harlon - 24290
E. J. Warnold - 24310
E. Smith - 24320
F. A. Schuster - 24340
G. H. Henriques - 24610
A. L. Panetta - 24680
L. Attisano - 24345
J. M. Jones - 24341
R. Capetola - 24345

853860046

DEC 7 1979

MR. J. R. MANDEL - 21000

Re: Handling of Hazardous Materials

During our meeting on November 21, 1979, which included Messrs. Chikowski and Rapp of Department 84520, you raised several important questions to which we are responding.

1. Q: How much material may be kept in a shop?

   A: Except for flammables, which are limited to a one-day supply, and constraints of space, economics and floor loading, there is no limit.

2. Q: What instructions should the shops follow?

   A: Methods advises that a new S.I. is being prepared. Until this is published, please follow the attached instructions for the use of Kearny Works container label KW61-2, along with other pertinent instructions.

3. Q: What is the overall picture for the arrangement of hazardous material storage areas.

   A: Approximately half of materials are ordered by shops, half by O.P. Stores.

   Currently, we are almost finished with a major program involving sorting, segregating and reducing inventory in all outside storage areas. When this is complete, there will only be 2 areas in which all materials are concentrated, the Acid Yard south of 185 building and the OP yard south of Building 20. The Acid Yard is further sub-divided, north to south, into a metal finishing area, an empty drum area and a PWB area. The OP Yard is subdivided north to south into a waste area and a new material area. We will be happy to inspect these yards with you at your request.

   All new materials ordered, controlled and stored by the shops are kept in the Acid Yard. All new materials controlled by O.P. stores are kept in the OP Yard.

   All waste is kept in the OP Yard.

   All empties are kept in the Acid Yard.

   Shops need not concern themselves with getting waste or empties into the appropriate yard; all they have to do is fill out the control label and place the drums for pickup by Central Trucking.

We do not fully concur with the idea that all drop areas should be inside Building 170. Flammables should not be kept in the building longer than necessary. Space is limited, and it would not be economical to try to produce additional space by rearranging shops in a building which is in process of abandonment. At present, it is much more useful for us to control one large outside drop area than to oversee 6 or 10 inside drop areas.

It has been our long range plan to consolidate all hazardous materials into the hands of O.P. Stores in one central location. This will be done in and around Building 161 as soon as the engineering, structural modifications, and reorganizational planning have been completed. As you may know, we submitted a capital appropriation request to accomplish this in a new structure in 1978 but were not able to gain approval. Subsequent implementation has been delayed by Kearny Consolidation).

The important point to remember is that regardless of whether we have centralized or decentralized control of hazardous materials, or indoor or outdoor drop points, the shops still must label, date, seal drums, deliver drums to the proper drop points, etc. If your shop will not, or cannot comply with the container label requirements, the hazardous material control plan which we are scheduled to submit to the State of New Jersey by December 31, 1979, will be materially affected, and we must be notified at once.

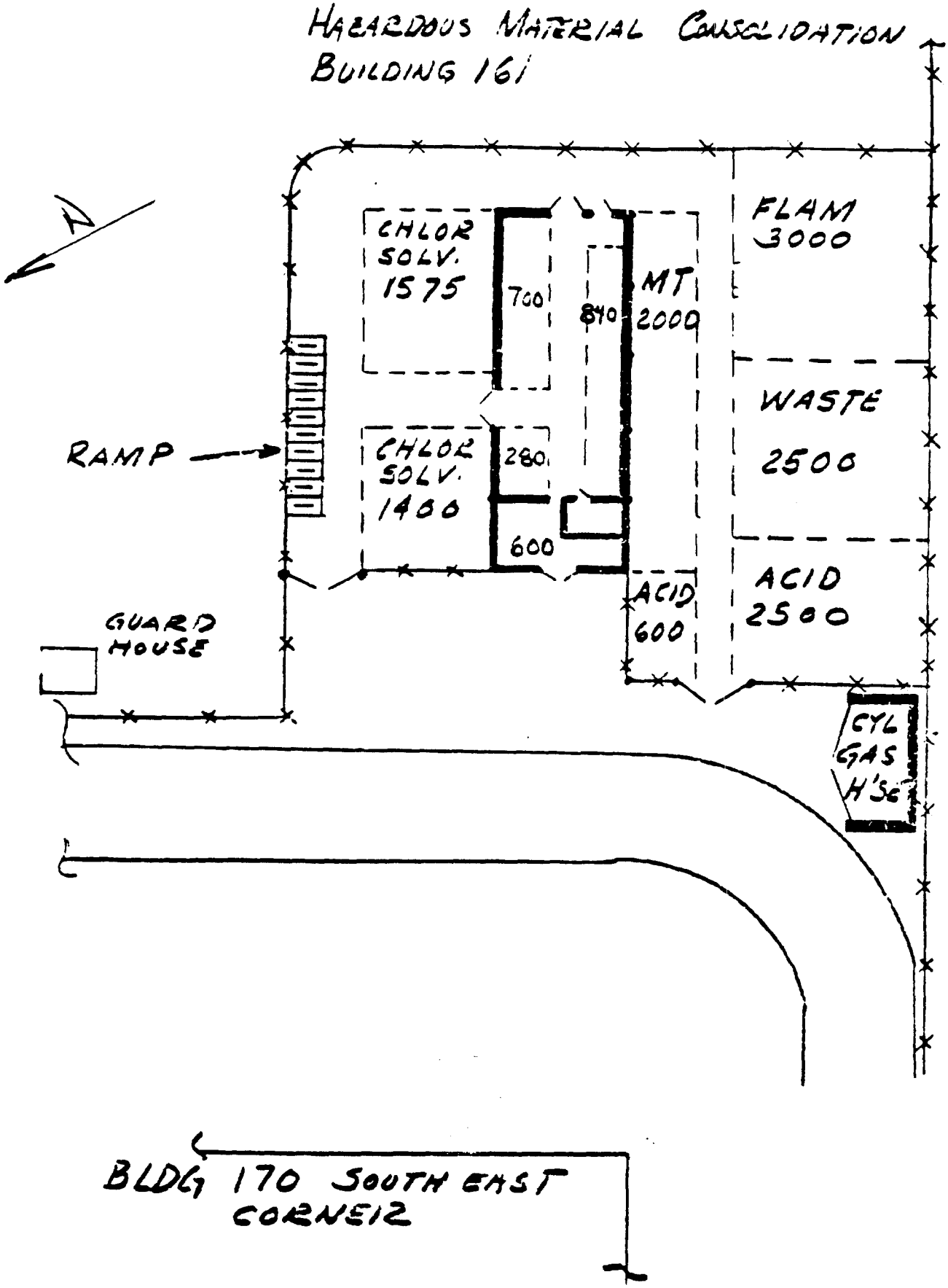
ORIGINAL SIGNED BY
R. BONDANI

BHR:84520:sr

R. BONDANI - 84000

Att.

Copy to:
E. R. Schnell - 20000
D. M. Cuomo - 30000


HAZARDOUS MATERIAL CONSOLIDATION
BUILDING 161
N
CHLOR SOLV. 1575
700
840
MT 2000
FLAM 3000
WASTE 2500
RAMP
CHLOR SOLV. 1400
280
600
ACID 600
ACID 2500
GUARD HOUSE
CYL GAS H'SE
BLDG 170 SOUTH EAST CORNER

853860049

MR. R. B. BUTTERFIELD, JR. - 61KY1

Under the May 19, 1980, RCRA Regulations, wastewater treatment sludge from electroplating operations is listed as a hazardous waste in Part 261, Subpart D, "Hazardous Waste from Nonspecific Sources." Full compliance with these regulations is required by November 19, 1980.

After this date, our waste treatment sludge must be disposed in a per-

Data and test results indicate our sludge has constituent concentrations well below those indicated in the regulations. A petition for de-listing is therefore in order.

Mr. Miles Morse, an EPA representative in Washington, D.C. was contacted for a grant of a temporary exclusion and a draft copy of our petition was sent for his review. We should be notified by December 5, of our temporary exclusion which would allow us to continue our sludge disposal in the [illegible]. We feel confident that the temporary exclusion will be granted. In addition, we anticipate a permanent exclusion be granted as a result of the attached petition.

The attached letter and associated data we are hereby submitting is our official request for a permanent exclusion. We, therefore, request your approval in this matter.

CFC:34520:sr

D. M. CUOMO - 80000

* STARTED STORING 12/3 ≈ 40,000 lbs
(IN APPEARANCE - DIRT ≈ 2 YDS)

853860050

II-1

State of New Jersey
Department of Environmental Protection

OFFICE OF THE COMMISSIONER

ID
CM

Return forms to:
INDUSTRIAL SURVEY PROJECT
P.O. BOX 251
TRENTON, NEW JERSEY 08602

SELECTED SUBSTANCE REPORT

PART I – General Plant Information

COMPLETE ONE REPORT FOR EACH PLANT SITE OR FACILITY LOCATION

1. Company Name WESTERN ELECTRIC COMPANY, INC.
2. Division or Plant Name Kearny Works
3. Mailing Address (Street) 100 Central Avenue
   (City/Town) Kearny County Hudson State N.J. Zip Code 07032
4. Plant Location Address (Street)
   (If not as above)
   (City/Town) County State Zip Code
5. Date Plant Began Operations At This Location April 13, 1925
6. Person to Contact Regarding this Report BRUCE H. RAPP Title Sr. Env. Contr. Engr.
7. Phone Number (Area Code) 201-465-5443
8. SIC Code (Four Digit) 3661
9. Nature of Business Telephone Apparatus Manufacturing
10. Number of Production Employees at this Plant Site 6350 (in 1978)
11. Does this plant manufacture, process, form, repackage, release, use, dispose of or store any of the selected substances shown on Table I of the enclosed instructions? (Check One) YES ☒ NO ☐

    If your answer to number 11 is "YES", complete the Entire Report for your facility, sign and return.

    If your answer to number 11 is "NO", complete Question 13, sign and return.

I, HEREBY, CERTIFY THAT ALL STATEMENTS MADE BY ME IN THIS REPORT ARE TRUE, COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND THAT ESTIMATES WHERE USED HAVE BEEN MADE IN GOOD FAITH.

NAME (Print) R. B. BUTTERFIELD, JR. Signature R B Butterfield Jr

Title General Manager Date 7/1/80

12A. Sketch (On the reverse side of this page) or attach a copy of a map indicating the exact location of the plant site.

12B. Supply your Dun & Bradstreet number if available. 00-213-9053

FOR OFFICIAL USE ONLY

E
B
C
V
S
O
N
A
X
D & B

200e7100 158 731 3661
WESTERN ELECTRIC
COMPANY INC -NE-
195 BROADWAY
NEW YORK N Y 101367 10000

STATEWIDE

853860051


Wyckoff
Hillsdale
Washington
Westwood
Ridgewood
Emerson
Closter
Haworth
Oradell
Demarest
Glen Rock
Hawthorne
Paramus
Dumont
River Edge
Bergenfield
New Milford
Cresskill
Tenafly
Prospect Park
Paterson
Elmwood Park
N. Hackensack
Maywood
Englewood
Totowa
West Paterson
Hackensack
Teaneck
Bogota
Fairfield
Little Falls
Clifton
Lodi
Garfield
Leonia
Hudson
Passaic
Harsimus Heights
Ridgefield Park
Palisades Park
Fort Lee
West Caldwell
Wallington
Little Ferry
Caldwell
Carlstadt
East Rutherford
Rutherford
Ridgefield
Verona
Mount Clair
Nutley
Cliffside Park
Fairview
Livingston
Glen Ridge
Bloomfield
Belleville
North Arlington
Guttenberg
West New York
N. Bergen
W. Orange
Orange
Union City
Kearny
Harrison
Manhattan
South Orange
NEWARK
Hoboken
Maplewood
Millburn
Irvington
Jersey City
Springfield
Union
Hillside
Kenilworth
Roselle Park
Elizabeth
Bayonne
Upper New York Bay
Crawford
Roselle
Linden
Clark
Rahway
Brooklyn
Lower New York Bay
Staten Island
Woodbridge
Perth Amboy

853860052

FOR DEP USE ONLY

PART I – General Information (continued)

13. List all of the selected substances included in this report along with their CAS Numbers (From Table I of the instructions) which are manufactured, processed, formed, repackaged, released, used, disposed of or stored at the plant site:

* Beryllium 7440-41-7, Chromium 7440-47-3, Copper 7440-50-8, Cyanide 57-12-5, ~~Formaldehyde 50-00-0~~, Lead 7439-92-1, Methylene Chloride 75-09-2, Nickel 7440-02-0 Silver 7440-22-4 Tetrachloroethylene 127-18-4 Toluene 108-88-3 111 Trichloroethane 71-55-6 Trichloroethylene 79-01-6 Zinc 7440-66-6

14. Wastewater Discharges – Complete the following information:

A. Discharge to publicly owned treatment works (POTW):

1. Name of Utility (POTW) Kearny Municipal Sewage Plant
   Address/Location Central Avenue, Kearny, N.J.
2. Estimated Average Volume of Wastewater Discharged to POTW in a day 500,000 gallons.
3. Briefly describe any pretreatment methods None Required
4. Wastewater consists of: (X) Process Water, ( ) Contact Cooling, (X) Non-Contact Cooling, (X) Domestic Sewage, ( ) Contaminated Storm Water, ( ) Washdown Water, ( ) Scrubber Water, ( ) Other:

B. Discharge to Navigable Waterway or Tributary Stream:

1. Name of Receiving Stream Passaic River
2. NPDES Permit Number N.J. 0020443
3. Estimated average volume of wastewater discharged to receiving stream in a day 250,000 gallons.
4. Briefly describe any treatment methods Cyanide is destroyed, Chrome reduced, Acid-Alkali neutralized Metals precipitated.
5. Wastewater consists of: (X) Process Water, (X) Contact Cooling, ( ) Non-Contact Cooling, ( ) Domestic Sewage, ( ) Contaminated Storm Water, ( ) Washdown Water, (X) Scrubber Water, ( ) Other:

15. Previous disposal practices (1930–1977). Has this plant previously disposed of wastes containing any of the selected substances at any land disposal site (i.e. by land spreading or burial, landfilling, lagoon or seepage pit) either on or off site?

YES ☒ NO ☐

If available provide the following information for each disposal site. Use additional pages if necessary.

Name and Location of Site Information is not available.

Time period site was used

Name of selected substances disposed of at this site	Physical State	Amount of selected substance disposed at site (pounds)

*Note: Asbestos enters premises in form of brake shoe constituents. PCB's are in fixed transformers plus a small stock. Neither enters into production and neither is reported in Part II.

853860053

State of New Jersey
Department of Environmental Protection

PART II — SELECTED SUBSTANCE REPORT

COMPLETE ONE FORM FOR EACH SELECTED SUBSTANCE

FOR DEP USE

1. Name and Location of Plant: WESTERN ELECTRIC INC., KEARNY, NEW JERSEY — I.D.

2. Selected Substance Name: Beryllium — CAS #: 7440-41-7

3. Briefly Describe Its Use On The Site: Insulators for Transistor amounting (Beryllium portion of beryllium oxide)

	COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1978 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE REQUESTED UNITS	ACTUAL	ESTIMATE
THROUGHPUT QUANTITIES	4. QUANTITY PRODUCED ON SITE	-0-	lbs/yr.	X	
	5. QUANTITY BROUGHT ONTO SITE	157	lbs/yr.		X
	6. QUANTITY CONSUMED ON SITE	-0-	lbs/yr.	X	
	7. QUANTITY SHIPPED OFF SITE AS (OR IN) PRODUCT	157	lbs/yr.		X
	8. MAXIMUM INVENTORY	20	lbs		X
AIR EMISSIONS	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	-0-	lbs/yr.	X	
		-0-	max lbs/day	X	
	10. TOTAL FUGITIVE EMISSIONS OF SELECTED SUBSTANCE	-0-	lbs/yr.	X	
		-0-	max lbs/day	X	
WASTEWATER DISCHARGE	11. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO SURFACE WATER	-0-	lbs/yr.	X	
		-0-	max lbs/day	X	
	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED TREATMENT WORKS	-0-	lbs/yr.	X	
		-0-	max lbs/day	X	

13. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
1.			-0-	
2.				
3.				
4.				
5.				

TABLE A
PHYSICAL STATE
M-01 Solid
M-02 Liquid
M-03 Slurry
M-04 Sludge
M-99 Other (specify)

TABLE B
DISPOSAL METHODS
M-01 Composting
M-02 Evaporation
M-03 Holding Tank
M-04 Incineration
M-05 Injection Well
M-06 Lagoon
M-07 Land Burial
M-08 Land Spreading
M-09 Neutralization
M-10 Ocean
M-11 Recycling
M-12 Sanitary Landfill
M-13 Surface Water
M-14 Subsurface System
M-15 Pyrolysis
M-16 Spray Irrigation
M-17 Stored On Site
M-99 Other (specify)

853860054

State of New Jersey
Department of Environmental Protection

PART II — SELECTED SUBSTANCE REPORT

COMPLETE ONE FORM FOR EACH SELECTED SUBSTANCE — FOR DEP USE

1. Name and Location of Plant
WESTERN ELECTRIC INC., KEARNY, NEW JERSEY — I.D.

2. Selected Substance Name — CAS #
Cyanide — 57-12-5

3. Briefly Describe Its Use On The Site:
Primarily zinc plating of metal parts

	COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1978 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE REQUESTED UNITS	ACTUAL	ESTIMATE
THROUGHPUT QUANTITIES	4. QUANTITY PRODUCED ON SITE	-0-	lbs/yr.	X	
	5. QUANTITY BROUGHT ONTO SITE	6,814	lbs/yr.		X
	6. QUANTITY CONSUMED ON SITE	6,749	lbs/yr.		X
	7. QUANTITY SHIPPED OFF SITE AS (OR IN) PRODUCT	-0-	lbs/yr.	X	
	8. MAXIMUM INVENTORY	850	lbs		X
AIR EMISSIONS	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	60	lbs/yr.		X
		.25	max lbs/day		X
	10. TOTAL FUGITIVE EMISSIONS OF SELECTED SUBSTANCE	6	lbs/yr.		X
		.025	max lbs/day		X
WASTEWATER DISCHARGE	11. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO SURFACE WATER	60 5.3	lbs/yr.		X
		.02 0.22	max lbs/day		X
	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED TREATMENT WORKS	- - - -0-	lbs/yr.	X	
		-0- -0-	max lbs/day	X	

13. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
1.			-0- - -	
2.				
3.				
4.				
5.				

TABLE A
PHYSICAL STATE
W-01 Solid
W-02 Liquid
W-03 Slurry
W-04 Sludge
W-99 Other (specify)

TABLE B
DISPOSAL METHODS
W-01 Composting
W-02 Evaporation
W-03 Holding Tank
W-04 Incineration
W-05 Injection Well
W-06 Lagoon
W-07 Land Burial
W-08 Land Spreading
W-09 Neutralization
W-10 Ocean
W-11 Recycling
W-12 Sanitary Landfill
W-13 Surface Water
W-14 Subsurface System
W-15 Pyrolysis
W-16 Spray Irrigation
W-17 Stored On Site
W-99 Other (specify)

State of New Jersey
Department of Environmental Protection

PART II — SELECTED SUBSTANCE REPORT

COMPLETE ONE FORM FOR EACH SELECTED SUBSTANCE

FOR DEP USE

1. Name and Location of Plant: WESTERN ELECTRIC INC., KEARNY, NEW JERSEY — I.D.

2. Selected Substance Name: Silver — CAS # 7-440-22-4

3. Briefly Describe Its Use On The Site:

Silver plating of metal parts.
Note: Silver on photographic and X-ray films is excluded.

	COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1979 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE REQUESTED UNITS	ACTUAL	ESTIMATE
THROUGHPUT QUANTITIES	4. QUANTITY PRODUCED ON SITE	-0-	lbs/yr.	X	
	5. QUANTITY BROUGHT ONTO SITE	100.4	lbs/yr.		X
	6. QUANTITY CONSUMED ON SITE	-0-	lbs/yr.	X	
	7. QUANTITY SHIPPED OFF SITE AS (OR IN) PRODUCT	100.4	lbs/yr.		X
	8. MAXIMUM INVENTORY	12.3	lbs		X
AIR EMISSIONS	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	Not Detectable	lbs/yr.		X
		Not Detectable	max lbs/day		X
	10. TOTAL FUGITIVE EMISSIONS OF SELECTED SUBSTANCE	Not Detectable	lbs/yr.		X
		Not Detectable	max lbs/day		X
WASTEWATER DISCHARGE	11. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO SURFACE WATER	Not Detectable	lbs/yr.		X
		Not Detectable	max lbs/day		X
	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED TREATMENT WORKS	-0-	lbs/yr.	X	
		-0-	max lbs/day	X	

13. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
1.			-0-	
2.				
3.				
4.				
5.				

TABLE A
PHYSICAL STATE
M-01 Solid
M-02 Liquid
M-03 Slurry
M-04 Sludge
M-09 Other (specify)

TABLE B
DISPOSAL METHODS
M-01 Composting
M-02 Evaporation
M-03 Holding Tank
M-04 Incineration
M-05 Injection Well
M-06 Lagoon
M-07 Land Burial
M-08 Land Spreading
M-09 Neutralization
M-10 Ocean
M-11 Recycling
M-12 Sanitary Landfill
M-13 Surface Water
M-14 Subsurface System
M-15 Pyrolysis
M-16 Spray Irrigation
M-17 Stored On Site
M-99 Other (specify)

State of New Jersey
Department of Environmental Protection

PART II — SELECTED SUBSTANCE REPORT

COMPLETE ONE FORM FOR EACH SELECTED SUBSTANCE

FOR DEP USE

1. Name and Location of Plant: WESTERN ELECTRIC INC., KEARNY, NEW JERSEY — I.D.

2. Selected Substance Name: Toluene — CAS # 108-88-3

3. Briefly Describe Its Use On The Site: Paint solvent

	COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1979 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE REQUESTED UNITS	ACTUAL	ESTIMATE
THROUGHPUT QUANTITIES	4. QUANTITY PRODUCED ON SITE	-0-	lbs/yr.	X	
	5. QUANTITY BROUGHT ONTO SITE	36,288	lbs/yr.		X
	6. QUANTITY CONSUMED ON SITE	-0-	lbs/yr	X	
	7. QUANTITY SHIPPED OFF SITE AS (OR IN) PRODUCT	-0-	lbs/yr.	X	
	8. MAXIMUM INVENTORY	10,643	lbs		X
AIR EMISSIONS	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	30,240	lbs/yr.		X
		126	max lbs/day		X
	10. TOTAL FUGITIVE EMISSIONS OF SELECTED SUBSTANCE	6,048	lbs/yr.		X
		25.2	max lbs/day		X
WASTEWATER DISCHARGE	11. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO SURFACE WATER	-0-	lbs/yr.	X	
		-0-	max lbs/day	X	
	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED TREATMENT WORKS	-0-	lbs/yr.	X	
		-0-	max lbs/day	X	

13. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
1.			-0-	
2.				
3.				
4.				
5.				

TABLE A
PHYSICAL STATE
M-01 Solid
M-02 Liquid
M-03 Slurry
M-04 Sludge
M-05 Other (specify)

TABLE B
DISPOSAL METHODS
M-01 Composting
M-02 Evaporation
M-03 Holding Tank
M-04 Incineration
M-05 Injection Well
M-06 Lagoon
M-07 Land Burial
M-08 Land Spreading
M-09 Neutralization
M-10 Ocean
M-11 Recycling
M-12 Sanitary Landfill
M-13 Surface Water
M-14 Subsurface System
M-15 Pyrolysis
M-16 Spray Irrigation
M-17 Stored On Site
M-99 Other (specify)

853860057

Western Electric

Kearny Works

100 Central Avenue
Kearny N J 07032
201 465-4000

B-196

December 17, 1980

MR. J. G. AMBERS, Department Chief

222 Broadway

In response to your letter of December 1, 1980, (re: Centralizing Hazardous Waste Disposal), attached are Kearny Works' completed Hazardous Waste Survey Forms for your information. If there are any questions, please contact Angelo Basile or Virginia Chu at 8-223-5447.

J. KREITZ, Engineering Manager
Plant & Manufacturing Facilities

CFC:61KY184520:sr

Att.

853860058

HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION: Kearny Works

MAILING ADDRESS: 100 Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE: Cyanide Sludge

VOLUME: 66 drums x 50. gals/drum = 3300. gals

FREQUENCY: PER MONTH | PER YEAR | ONE TIME

PACKING: IN DRUMS

CIRCLE APPROPRIATE BLOCKS

PHYS. STATE @ 70° F: SOLID | LIQUID | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: ____ %TOP ____ % ____ % ____ %

SUSPENDED SOLIDS: < 5% | 5-20% | > 20% | WEIGHT | OR | VOLUME

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | >1.7

FLASH POINT (cc): < 80° F | 80-150° F | > 150° F

THOUSANDS OF BTU'S / LB.: 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | 4-7 | 7 | 7-10

TOXICITY: HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WAST

LOCATION CONTACT: J. T. Chikowski

TITLE: Dept. Chief

PHONE NUMBER: [illegible]

DATE: 12/17/80

853860059

B. If waste is a pesticide or produced by a pesticide manufacturing process, che following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Depa of Transportation pursuant of the Hazardous Materials Transportation Act? YES (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: Poison B, Liquid, NOS

(2) Hazard class(es): Poison B

(3) Identification number (from Hazardous Materials List): NA 2810

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Environ Protection Agency pursuant to Section 3001 of the Resource Conservation and Re Act? Yes (49 CFR 261)

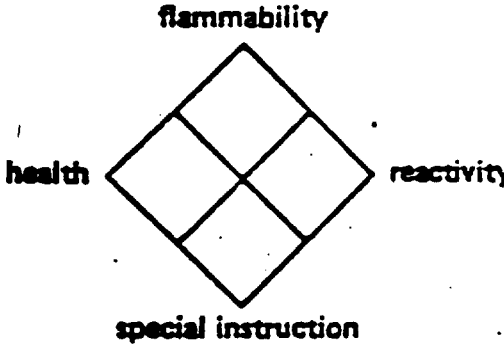
(1) If the waste is a listed hazardous waste, state: Reactive and Toxic
The U.S. EPA identification number: F 008

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of the material? NO If so, please advise of the date of the most recent analysis: _

E. Have you obtained toxicity studies of this waste stream? NO If so, please a copy of the results.

(1) Hazard identification system: _____



HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION
Kearny Works

MAILING ADDRESS
100 Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE
Methyl Ethyl ketone

VOLUME
142. drums × 50. gals/drum = 7100. gals

FREQUENCY
PER MONTH | PER YEAR | ONE TIME

PACKING
IN DRUMS

CIRCLE APPROPRIATE BLOCKS

PHYSICAL STATE @ 70° F
SOLID | LIQUID | SEMISOLID

VISCOSITY @ 70° F
LOW | MEDIUM

LAYERING
NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING
_____ %TOP _____ % _____ % _____ %

SUSPENDED SOLIDS
< 5% | 5-20% | > 20% | WEIGHT | OR | VOLUME

DISSOLVED SOLIDS BY WEIGHT
< 5% | 5-20%

SPECIFIC GRAVITY @ 60° F
< 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | > 1.7

FLASH POINT (cc)
< 80° F | 80-150° F | > 150° F

THOUSANDS OF BTU'S / LB.
[illegible] | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%)
NONE | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %)
NONE | TRACE | 0.5 - 5% | > 5%

pH
1-4 | 4-7 | 7 | 7-10

TOXICITY
HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS SH

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE

LOCATION CONTACT
J. T. Chickowski

TITLE
Dept. Chief

PHONE NUMBER
8-223-5453

DATE
12/17/80

853860061

B. If waste is a pesticide or produced by a pesticide manufacturing process, che following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Depa of Transportation pursuant of the Hazardous Materials Transportation Act? YE (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: Methyl Ethyl ketone

(2) Hazard class(es): Flammable Liquid

(3) Identification number (from Hazardous Materials List): UN 1193

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Enviror Protection Agency pursuant to Section 3001 of the Resource Conservation and Re Act ? YES (49 CFR 261)

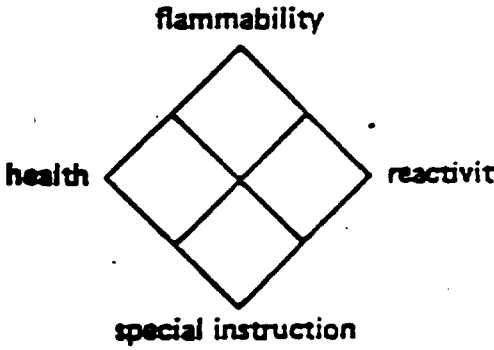
(1) If the waste is a listed hazardous waste, state: (I, T)
The U.S. EPA identification number: EPA

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of the material? NO If so, please advise of the date of the most recent analysis:

E. Have you obtained toxicity studies of this waste stream? NO If so, please a copy of the results.

(1) Hazard identification system:



HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION: Kearny Works

MAILING ADDRESS: 100 Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE: Xylene

VOLUME: 128 drums x 50. gals/drum = 6400. gals

FREQUENCY: PER MONTH | PER YEAR (X) | ONE TIME

PACKING: IN DRUMS (X)

CIRCLE APPROPRIATE BLOCKS

PHYSICAL STATE @ 70° F: SOLID | LIQUID (X) | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: _____ %TOP _____ % _____ % _____ %

SUSPENDED SOLIDS: < 5% (X) | 5-20% | > 20% | WEIGHT (X) OR VOLUME

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 (X) | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | >1.7

FLASH POINT (cc): < 80° F | 80-150° F (X) | > 150° F

THOUSANDS OF BTU'S / LB.: < 1 | 1-5 | 5-8 | 8-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE (X) | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | 4-7 (X) | 7 | 7-10

TOXICITY: HIGH | MEDIUM (X) | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
PESTICIDES / PCB'S - OTHER / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY (X)

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WAST

LOCATION CONTACT: J. T. Chikowski — TITLE: Dept. Chief

PHONE NUMBER: 8-223-5453 — DATE: 12/17/80

853860063

B. If waste is a pesticide or produced by a pesticide manufacturing process, ch following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Dep of Transportation pursuant of the Hazardous Materials Transportation Act? YES (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: Xylene

(2) Hazard class(es): Flammable Liquid

(3) Identification number (from Hazardous Materials List): UN 1307

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Enviror Protection Agency pursuant to Section 3001 of the Resource Conservation and R Act? YES (49 CFR 261)

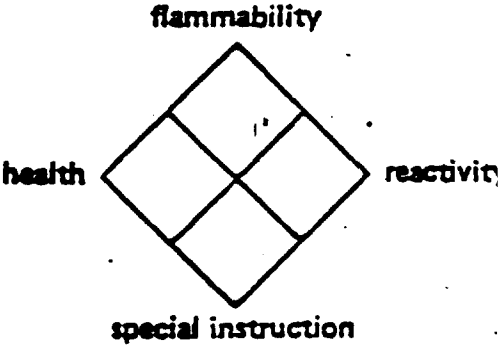
(1) If the waste is a listed hazardous waste, state: (T)
The U.S. EPA identification number: F003

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of the material? NO If so, please advise of the date of the most recent analysis:

E. Have you obtained toxicity studies of this waste stream? NO If so, please a copy of the results.

(1) Hazard identification system:



853860064

HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION
Kearny Works

MAILING ADDRESS
[illegible] Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE
Perchloroethylene

VOLUME
54 drums × 50.0 gals./drum = 2700 gals

FREQUENCY: PER MONTH | PER YEAR (X) | ONE TIME

PACKING: IN DRUMS (X)

CIRCLE APPROPRIATE BLOCKS

PHYSICAL STATE @ 70° F: SOLID | (LIQUID) | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: _____ %TOP _____ % _____ % _____

SUSPENDED SOLIDS: (< 5%) | 5-20% | > 20%

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

(WEIGHT) OR VOLUME

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | (1.2 - 1.4) | 1.4 - 1.7 | >1.7

FLASH POINT (cc): < 80° F | (80-150° F) | > 150° F

THOUSANDS OF BTU'S / LB.: [illegible] | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | (4-7) | 7 | 7-10

TOXICITY: (HIGH) | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | (DISPOSAL ONLY)

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS SU

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE

LOCATION CONTACT: J. T. Chlkowski
TITLE: Dept. Chief
PHONE NUMBER: 8-223-5453
DATE: 12/17/80

853860065

B. If waste is a pesticide or produced by a pesticide manufacturing process, ch following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO

☐ CARBAMATES

☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Dep of Transportation pursuant of the Hazardous Materials Transportation Act? ___ (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: Perchloroethylene "or" Tetrachloroethylene

(2) Hazard class(es): CPU-3

(3) Identification number (from Hazardous Materials List): UN 1897

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Enviror Protection Agency pursuant to Section 3001 of the Resource Conservation and R Act? YES (49 CFR 261)

(1) If the waste is a listed hazardous waste, state: (T)

The U.S. EPA identification number: F001

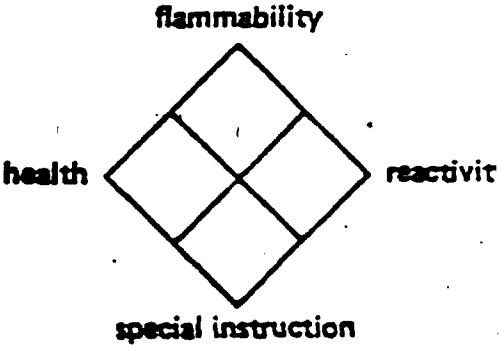
(2) If the waste is not listed, what hazardous characteristic(s) does it possess?

IGNITABLE? ☐ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of th material? No If so, please advise of the date of the most recent analysis:

E. Have you obtained toxicity studies of this waste stream? No If so, please a copy of the results.

(1) Hazard identification system:



853860066

HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION
Kearny Works

MAILING ADDRESS
100 Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE
Trichloroethylene

VOLUME 48 drums x 50 gals./drum = 2400 gals.

FREQUENCY — PER MONTH | PER YEAR (X) | ONE TIME

PACKING — IN DRUMS (X)

CIRCLE APPROPRIATE BLOCKS

PHYS. STATE @ 70° F — SOLID | (LIQUID) | SEMISOLID

VISCOSITY @ 70° F — LOW | MEDIUM

LAYERING — NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING — _____ %TOP _____ % _____ % _____ %

SUSPENDED SOLIDS — (< 5%) | 5-20% | > 20% | WEIGHT | OR | VOLUME

DISSOLVED SOLIDS BY WEIGHT — < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F — < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | (1.4 - 1.7) | >1.7

FLASH POINT (oc) — < 80° F | (80-150° F) | > 150° F

THOUSANDS OF BTU'S / LB. — < 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%) — NONE | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %) — NONE | TRACE | 0.5 - 5% | > 5%

pH — 1-4 | (4-7) | 7 | 7-10

TOXICITY — HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | (DISPOSAL ONLY)

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS SH

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE

LOCATION CONTACT J. T. Chikowski

TITLE Dept. Chief

PHONE NUMBER 8-223-5453

DATE 12/12/80

853860067

B. If waste is a pesticide or produced by a pesticide manufacturing process, ch
following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Dep
of Transportation pursuant of the Hazardous Materials Transportation Act? ___
(See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: Trichloroethylene

(2) Hazard class(es): ORM-A

(3) Identification number (from Hazardous Materials List): UN 1710

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Enviro
Protection Agency pursuant to Section 3001 of the Resource Conservation and R
Act? YES (49 CFR 261)

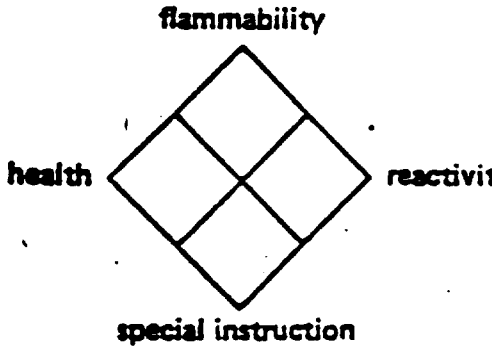
(1) If the waste is a listed hazardous waste, state: (T)
The U.S. EPA identification number: F001, F002

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of th
material? NO. If so, please advise of the date of the most recent analysis:

E. Have you obtained toxicity studies of this waste stream? NO If so, please
copy of the results.

(1) Hazard identification system:



HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION: Kearny Works

MAILING ADDRESS: 100 Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE: Sonic Solve (mainly methylene chloride)

VOLUME: 18 drums x 50. gals/drum = 900. gals

FREQUENCY: PER MONTH | (PER YEAR) | ONE TIME

PACKING: (IN DRUMS)

CIRCLE APPROPRIATE BLOCKS

PHYSICAL STATE @ 70° F: SOLID | (LIQUID) | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: _____ %TOP _____ % _____ . _____ % _____ . _____

SUSPENDED SOLIDS: (< 5%) | 5-20% | > 20% | (WEIGHT) OR VOLUME

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | (1.2 - 1.4) | 1.4 - 1.7 | >1.7

FLASH POINT (cc): < 80° F | (80-150° F) | > 150° F

BTU'S POUNDS OF BTU'S / LB: ~ 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | (10-30%)

ORGANICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | (4-7) | 7 | 7-10

TOXICITY: HIGH | (MEDIUM) | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: (RECOVERY) | (DISPOSAL ONLY)

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS S

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WAST

LOCATION CONTACT: J. T. Chikowski | TITLE: Dept. Chief

PHONE NUMBER | DATE

853860069

B. If waste is a pesticide or produced by a pesticide manufacturing process, che following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Depa of Transportation pursuant of the Hazardous Materials Transportation Act? Yes (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: Methylene Chloride "or" Dichlorome...

(2) Hazard class(es): ORM-A

(3) Identification number (from Hazardous Materials List): ______

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Enviror Protection Agency pursuant to Section 3001 of the Resource Conservation and Re Act? YES (49 CFR 261)

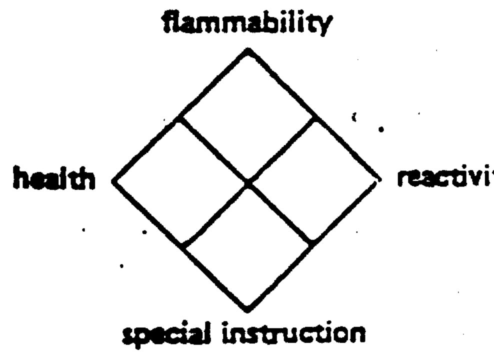
(1) If the waste is a listed hazardous waste, state: (T)
The U.S. EPA identification number: F002

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of th material? NO If so, please advise of the date of the most recent analysis: _

E. Have you obtained toxicity studies of this waste stream? No If so, please a copy of the results.

(1) Hazard identification system: ______



HAZARDOUS WASTE SURVEY FORM

11

COMPANY LOCATION
Kearny Works

MAILING ADDRESS
100 Central Ave. ; Kearny , NJ 07032

DESCRIPTION OF WASTE
Methylene Chloride

VOLUME
62 drums x 500 gals./drum = 3100. gals

FREQUENCY: PER MONTH | PER YEAR | ONE TIME

PACKING: IN DRUMS

CIRCLE APPROPRIATE BLOCKS

PHYSICAL STATE @ 70° F: SOLID | LIQUID | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: _____ %TOP _____ % _____ % _____ %

SUSPENDED SOLIDS: < 5% | 5-20% | > 20%

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

WEIGHT OR VOLUME

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | >1.7

FLASH POINT (pc): < 80° F | 80-150° F | > 150° F

THOUSANDS OF BTU'S / LB.: < 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | 4-7 | 7 | 7-10

TOXICITY: HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS S

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE

LOCATION CONTACT	TITLE	
T. T. Chikowski	Dept. Chief	853860071
PHONE NUMBER	DATE	
8-223-5453	12/17/80	

[redacted] is a pesticide or produced by a pesticide manufacturing process, che
following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Depa
of Transportation pursuant of the Hazardous Materials Transportation Act? YES
(See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: Methylene Chloride "or" Dichloromethane

(2) Hazard class(es): CBU-A

(3) Identification number (from Hazardous Materials List): UN 1593

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Environ
Protection Agency pursuant to Section 3001 of the Resource Conservation and Re
Act? YES (49 CFR 261)

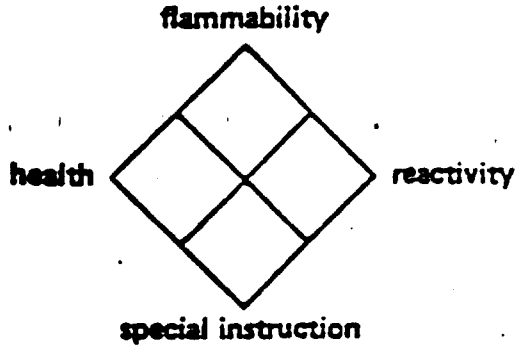
(1) If the waste is a listed hazardous waste, state: [redacted], F002
The U.S. EPA identification number:

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of the
material? NO If so, please advise of the date of the most recent analysis:

E. Have you obtained toxicity studies of this waste stream? NO If so, please a
copy of the results.

(1) Hazard identification system:



853860072

HAZARDOUS WASTE SURVEY FORM

IPANY LOCATION: Kearny Works

MAILING ADDRESS: 100 Central Ave., Kearny, NJ 07032

DE TION OF WASTE: Caustic Wastes

VOLUME: 77 drums x 50. gals./drum = 3850. gals.

FREQUENCY: PER MONTH | PER YEAR | ONE TIME

PACKING: IN DRUMS

CIRCLE APPROPRIATE BLOCKS

PHY STATE @ 70° F: SOLID | LIQUID | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: ____ %TOP ____ % ____ % ____ %

SUSPENDED SOLIDS: < 5% | 5-20% | > 20% | WEIGHT OR VOLUME

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | >1.7

FLASH POINT (pc): < 80° F | 80-150° F | > 150° F

THOUSANDS OF BTU'S / LB: < 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | 10-30%

OR NICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | 4-7 | 7 | 7-10

TOXICITY: HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY

IF R /ERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS SH

TI E BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE

LOCATION CONTACT: J. T. Chikinski

TITLE: Dept Chief

PHONE NUMBER: 8-223-5463

DATE: 12/17/80

853860073

B. If waste is a pesticide or produced by a pesticide manufacturing process, ch following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Dep of Transportation pursuant of the Hazardous Materials Transportation Act? N/A (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: CORROSIVE LIQUID, N.O.S.

(2) Hazard class(es): CORROSIVE MATERIAL

(3) Identification number (from Hazardous Materials List): UN 1760

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Enviro Protection Agency pursuant to Section 3001 of the Resource Conservation and R Act? YES (49 CFR 261)

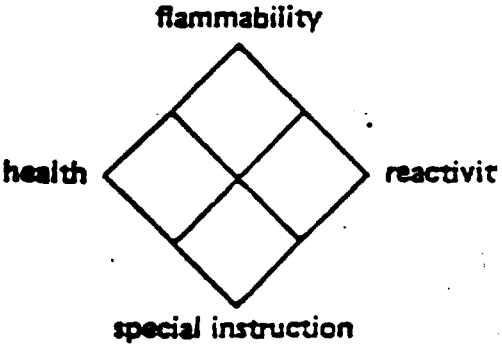
(1) If the waste is a listed hazardous waste, state:
The U.S. EPA identification number:

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☒ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of th material? N/A If so, please advise of the date of the most recent analysis:

E. Have you obtained toxicity studies of this waste stream? N/A If so, please copy of the results.

(1) Hazard identification system:



853860074

HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION: Kearny Works

MAILING ADDRESS: 100 Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE: Acid Wastes

VOLUME: 47 drums x 50. gals/drum = 2350. gals

FREQUENCY: PER MONTH | PER YEAR | ONE TIME

PACKING: IN DRUMS

CIRCLE APPROPRIATE BLOCKS

PHYS. STATE @ 70° F: SOLID | LIQUID | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: _____ %TOP _____ % _____ % _____ %

SUSPENDED SOLIDS: < 5% | 5-20% | > 20% | WEIGHT | OR | VOLUME

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | >1.7

FLASH POINT (pc): < 80°F | 80-150°F | > 150°F

THOUSANDS OF BTU'S / LB.: < 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | 4-7 | 7 | 7-10

TOXICITY: HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS S

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE

LOCATION CONTACT: J. T. Chikowski

TITLE: Dept. Chief

PHONE NUMBER: 8-223-5453

DATE: 12/17/80

853860075

B. If waste is a pesticide or produced by a pesticide manufacturing process, ch following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Dep of Transportation pursuant of the Hazardous Materials Transportation Act? YES (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: CORROSIVE LIQUID, NOS

(2) Hazard class(es): CORROSIVE MATERIAL

(3) Identification number (from Hazardous Materials List): UN 1760

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Enviro Protection Agency pursuant to Section 3001 of the Resource Conservation and R Act? YES (49 CFR 261)

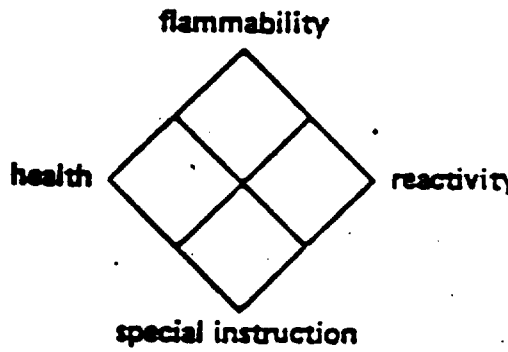
(1) If the waste is a listed hazardous waste, state:
The U.S. EPA identification number:

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☒ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of the material? NO If so, please advise of the date of the most recent analysis:

E. Have you obtained toxicity studies of this waste stream? NO If so, please a copy of the results.

(1) Hazard identification system:



853860076

HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION
Kearny Works

MAILING ADDRESS
100 Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE
Solids

VOLUME
74 drums x 50. gals/drum = 3700. gals

FREQUENCY: PER MONTH | PER YEAR | ONE TIME

PACKING: IN DRUMS

CIRCLE APPROPRIATE BLOCKS

PHYSICAL STATE @ 70° F: SOLID | LIQUID | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING
_____ %TOP _____ % _____ % _____ %

SUSPENDED SOLIDS: < 5% | 5-20% | > 20%

WEIGHT OR VOLUME

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | > 1.7

FLASH POINT (cc): < 80° F | 80-150° F | > 150° F

THOUSANDS OF BTU'S / LB.: 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | 4-7 | 7 | 7-10

TOXICITY: HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES - CARCINOGENS - OTHER HAZARDOUS / TOXIC	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS SH

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE M

LOCATION CONTACT: J.T. Cliknowski

TITLE: Dept Chief

PHONE NUMBER: [illegible]

DATE: 12/17/80

853860077

A. Does this waste stream contain biologic material, pathogens, or etiological agents?

B. If waste is a pesticide or produced by a pesticide manufacturing process, che following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Depa of Transportation pursuant of the Hazardous Materials Transportation Act? YES (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: Flammable solid, N.O.S.

(2) Hazard class(es): Flammable Solid

(3) Identification number (from Hazardous Materials List): UN-1325

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Environ Protection Agency pursuant to Section 3001 of the Resource Conservation and Re Act? _____ (49 CFR 261)

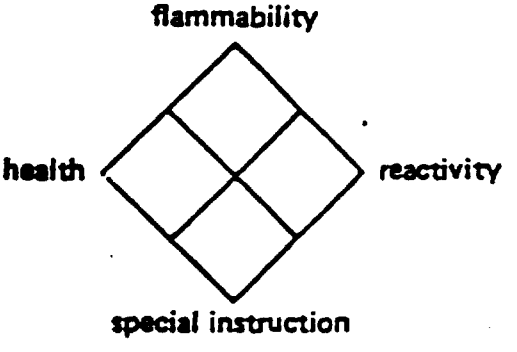
(1) If the waste is a listed hazardous waste, state: _____
The U.S. EPA identification number: _____

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☒ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of the material? NO. If so, please advise of the date of the most recent analysis: _

E. Have you obtained toxicity studies of this waste stream? NO. If so, please at copy of the results.

(1) Hazard identification system: _____



HAZARDOUS WASTE SURVEY FORM

PANY LOCATION
Kearny Works

MAILING ADDRESS
100 Central Ave., Kearny, NJ 07032

DES TION OF WASTE
Varsol

VOLUME 120 drums x 50. gals/drum = 6000. gals

FREQUENCY: PER MONTH | PER YEAR | ONE TIME

PACKING: IN DRUMS

CIRCLE APPROPRIATE BLOCKS

PHYS . STATE @ 70° F: SOLID | LIQUID | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: _____ %TOP _____ % _____ % _____

SUSPENDED SOLIDS: < 5% | 5-20% | > 20% | WEIGHT | OR | VOLUME

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | >1.7

FLASH POINT (cc): < 80° F | 80-150° F | > 150° F

THOUSANDS OF BTU'S / LB: < 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | 10-30%

OR IICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | 4-7 | 7 | 7-10

TOXICITY: HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%	%	%
	%	%	%	%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY

IF R ERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS SHE

T E BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE M

LOCATION CONTACT: J. T. Chikowski — TITLE: Dept. Chief

PHONE NUMBER: 8-223-5453 — DATE: 12/17/80

853860079

B. If waste is a pesticide or produced by a pesticide manufacturing process, cr following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Dep of Transportation pursuant of the Hazardous Materials Transportation Act? YE (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: FLAMMABLE LIQUID, NOS (VARSOL)

(2) Hazard class(es): FLAMMABLE LIQUID

(3) Identification number (from Hazardous Materials List): UN 1993

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Enviro Protection Agency pursuant to Section 3001 of the Resource Conservation and F Act? Yes (49 CFR 261)

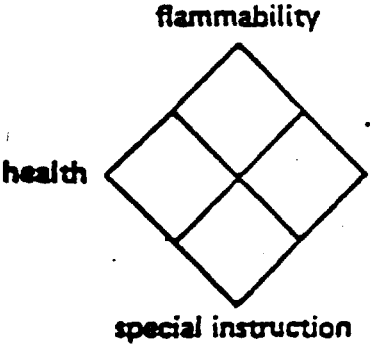
(1) If the waste is a listed hazardous waste, state:
The U.S. EPA identification number:

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☒ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of th material? No. If so, please advise of the date of the most recent analysis:

E. Have you obtained toxicity studies of this waste stream? No If so, please copy of the results.

(1) Hazard identification system:



853860080

HAZARDOUS WASTE SURVEY FORM

COMPANY LOCATION: Kearny Works

MAILING ADDRESS: 100 Central Ave., Kearny, NJ 07032

DESCRIPTION OF WASTE: Photo - Resist (xylene, and ketone solvents)

VOLUME: 48 drums x 50 gals./drum = 2400 gals.

FREQUENCY: PER MONTH | PER YEAR | ONE TIME

PACKING: IN DRUMS

CIRCLE APPROPRIATE BLOCKS

PHYSICAL STATE @ 70° F: SOLID | LIQUID | SEMISOLID

VISCOSITY @ 70° F: LOW | MEDIUM

LAYERING: NONE | BILAYERED | MULTILAYERED

% LAYERING BY VOLUME AT INFINITE SETTLING: ____ %TOP ____ % ____ % ____ %

SUSPENDED SOLIDS: < 5% | 5-20% | > 20% | WEIGHT | OR | VOLUME

DISSOLVED SOLIDS BY WEIGHT: < 5% | 5-20%

SPECIFIC GRAVITY @ 60° F: < 0.8 | 0.8 - 1.0 | 1.0 - 1.2 | 1.2 - 1.4 | 1.4 - 1.7 | > 1.7

FLASH POINT (cc): < 80° F | 80-150° F | > 150° F

THOUSANDS OF BTU'S / LB.: < 1 | 1-5 | 5-9 | 9-12 | 12-16 | 16-20

ORGANICALLY BOUND CHLORINE (WT.%): NONE | TRACE | 1-10% | 10-30%

ORGANICALLY BOUND SULFUR (WT. %): NONE | TRACE | 0.5 - 5% | > 5%

pH: 1-4 | 4-7 | 7 | 7-10

TOXICITY: HIGH | MEDIUM | LOW | UNKNOWN

OTHER INFORMATION:

PLEASE IDENTIFY AND QUANTIFY ALL KNOWN COMPONENTS

VOLATILE ORGANICS	%	%	%	%
	%	%	%	%
NON VOLATILE ORGANICS	%	%	%	%
ACIDS OR ALKALIS	%	%	%	%
SALTS	%	%	%	%
METALLICS	%	%	%	%
CYANIDES - PESTICIDES CARCINOGENS - OTHER HAZARDOUS / TOXICS	%	%		%
	%	%		%

SERVICE DESIRED: RECOVERY | DISPOSAL ONLY

IF RECOVERY - WHAT COMPONENT(S) IS (ARE) TO BE CONSIDERED FOR RECOVERY:

PLEASE ATTACH RECLAIMED PRODUCTS SPECIFICATIONS AND ANY ADDITIONAL HAZARD AND HANDLING INFORMATION ON THIS S

TO THE BEST OF MY KNOWLEDGE AND ABILITY TO DETERMINE, THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF THIS WASTE

LOCATION CONTACT	TITLE	
J. T. Chodkowski	Dept. Chief	
PHONE NUMBER: 8-223-5453	DATE: 12/17/80	853860081

B. If waste is a pesticide or produced by a pesticide manufacturing process, the following:

The Waste Contains:

☐ ORGANOPHOSPHATES - CONTAINING SULFUR ☐ YES ☐ NO
☐ CARBAMATES
☐ CHLORINATED HYDROCARBONS

Is this waste a "Hazardous Material" as defined by regulations of the U.S. Depa of Transportation pursuant of the Hazardous Materials Transportation Act? YES (See 49 CFR 172.101 and 173 for "Hazardous Materials" list and characteristics.)

(1) Correct shipping description: FLAMMABLE LIQUID N.O.S. (XYLENE & MEK,

(2) Hazard class(es): FLAMMABLE LIQUID

(3) Identification number (from Hazardous Materials List): UN 1993

C. Is this waste a "Hazardous Waste" as defined by regulations of the U.S. Environ Protection Agency pursuant to Section 3001 of the Resource Conservation and Re Act ? YES (49 CFR 261)

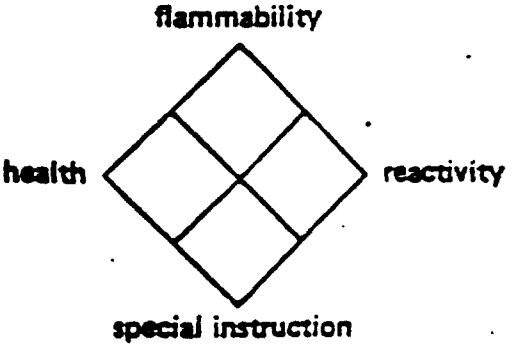
(1) If the waste is a listed hazardous waste, state: IGNITABLE .
The U.S. EPA identification number: F003 & F005

(2) If the waste is not listed, what hazardous characteristic(s) does it possess?
IGNITABLE? ☐ CORROSIVE? ☐ REACTIVE? ☐ TOXIC? ☐

D. Is the information provided in Section C based upon laboratory analysis of the material? NO If so, please advise of the date of the most recent analysis: _

E. Have you obtained toxicity studies of this waste stream? NO If so, please at copy of the results.

(1) Hazard identification system: _____



Western Electric

Corporate Engineering

222 Broadway
New York, N.Y. 10038
212 669-2345

APR 1981

Re: PCB Transformer Inspection Program

On March 10, 1981, the requirements of the Interim Measures Program for inspection and maintenance of polychlorinated biphenyl (PCB) transformers was published in the Federal Register. This program requires that the following procedures be instituted with respect to all PCB transformers in use or stored for reuse:

I. A visual inspection must be performed once every three months on every PCB (above 500 ppm) transformer.

II. All leaks shall be recorded. If a PCB transformer is found to have a moderate leak, servicing must commence two business days from the observed date of the leak.

III. Records containing servicing and inspection history shall be maintained for three years and be made available for inspection on request by EPA. Records shall contain the following information on each PCB transformer:

   A. location
   B. date of inspection
   C. name of inspector
   D. date and type of leak (leak or moderate leak)
   E. date and description of servicing after first inspection

Definitions

1. PCB transformer - contains over 500 ppm PCB's
2. Leak - when a transformer has any PCB's on any portion of its surface
3. Moderate leak - a leak which results in PCB's running off or about to run off the surface

The Interim Measures Program as described above goes into effect on May 11, 1981 and the first inspection must be completed by August 10, 1981.

The EPA has announced that it has approved two incinerators for PCB destruction. The incinerators are located at Rollins Environmental Services, Deer Park, Texas and at Energy Systems Company, El Dorado, Arkansas. You may negotiate disposal contracts for liquid PCB disposal through your local purchasing organization with guidance from Corporate Purchasing at Guilford Center.

If you have any questions on this PCB program, please contact me on 8-222-3502 or Art Staheli on 8-222-3768.

T. A. MULHERN
Environmental Engineering
and Energy Management
Manager

Letter to:
See Attached List

Letter to:

A. C. Di Donato	- Allentown
P. E. Morgan, M.D.	- Atlanta
W. H. Garmer	- Baltimore
W. R. Cody	- Burlington Shops
T. W. Bursh	- Central Region
C. Novoa	- Central Region - P&D Inst.
W. Judy, Jr.	- Columbus
D. K. Bates	- Dallas
R. H. Patterson	- Denver
J. F. Johnson	- Eastern Region
H. E. Kapp	- ERC
V. G. Mims	- Guilford Center
A. H. Kobialka	- Hawthorne
W. P. Hopkins	- Indianapolis
R. P. Hall	- Kansas City
J. Kreitz	- Kearny
E. N. Lenk	- Merrimack Valley
J. F. Cubbidge	- Montgomery
P. L. Spoor	- Mtn. Northwest Region
W. R. Walter, Jr.	- North Carolina
J. E. Elliott	- Northeastern Region
T. Yorke	- Northern Illinois
R. A. Batson	- Oklahoma City
K. M. Foster	- Omaha
E. Austin	- Pacific Region
C. L. Woods	- Phoenix
R. H. March	- PPE, Springfield
C. R. Bauer	- Reading
R. C. Preuitt	- Reynolda Road
R. C. Whiteman	- Richmond
H. H. Pastorius	- Sandia Corporation
W. T. Johnston	- Shreveport
T. A. Campbell	- Southern Region
B. E. Frankenfield	- Southwestern Region
J. C. Vicario	- Southwestern Region - P&D Mtl. Dis.
C. W. Smallwood	- Southwestern Region - Des Peres, Mo
K. Lannin	- New River Valley Plant

Copy to:

J. R. Lauritzen	- 222 Broadway
M. I. Zeidman	- "
W. J. Avers	- "
L. J. Kaitz	- "
G. M. Wilkening	- BTL, Murray Hill
R. C. Allen	- AT&T, Basking Ridge
J. F. Watson	- Nassau Recycle, Gaston
W. Hageman	- " , Staten Island
H. L. Crisp	- Teletype, Little Rock
J. V. Blazek	- " , Skokie

Western Electric

Corporate Engineering

222 Broadway
New York, N.Y. 10038
212 669-2345

APR 1981

Re: PCB Transformer Inspection Program

On March 10, 1981, the requirements of the Interim Measures Program for inspection and maintenance of polychlorinated biphenyl (PCB) transformers was published in the Federal Register. This program requires that the following procedures be instituted with respect to all PCB transformers in use or stored for reuse:

I. A visual inspection must be performed once every three months on every PCB (above 500 ppm) transformer.

II. All leaks shall be recorded. If a PCB transformer is found to have a moderate leak, servicing must commence two business days from the observed date of the leak.

III. Records containing servicing and inspection history shall be maintained for three years and be made available for inspection on request by EPA. Records shall contain the following information on each PCB transformer:

   A. location
   B. date of inspection
   C. name of inspector
   D. date and type of leak (leak or moderate leak)
   E. date and description of servicing after first inspection

Definitions

1. PCB transformer - contains over 500 ppm PCB's
2. Leak - when a transformer has any PCB's on any portion of its surface
3. Moderate leak - a leak which results in PCB's running off or about to run off the surface

The Interim Measures Program as described above goes into effect on May 11, 1981 and the first inspection must be completed by August 10, 1981.

The EPA has announced that it has approved two incinerators for PCB destruction. The incinerators are located at Rollins Environmental Services, Deer Park, Texas and at Energy Systems Company, El Dorado, Arkansas. You may negotiate disposal contracts for liquid PCB disposal through your local purchasing organization with guidance from Corporate Purchasing at Guilford Center.

If you have any questions on this PCB program, please contact me on 8-222-3502 or Art Staheli on 8-222-3768.

Original Signed By

T. A. MULHERN
Environmental Engineering
and Energy Management
Manager

Letter to:
See Attached List

Letter to:

A. C. Di Donato	- Allentown
P. E. Morgan, M.D.	- Atlanta
W. H. Garmer	- Baltimore
W. R. Cody	- Burlington Shops
T. W. Bursh	- Central Region
C. Novoa	- Central Region - P&D Inst.
W. Judy, Jr.	- Columbus
D. K. Bates	- Dallas
R. H. Patterson	- Denver
J. F. Johnson	- Eastern Region
H. E. Kapp	- ERC
V. G. Mims	- Guilford Center
A. H. Kobialka	- Hawthorne
W. P. Hopkins	- Indianapolis
R. P. Hall	- Kansas City
J. Kreitz	- Kearny
E. N. Lenk	- Merrimack Valley
J. F. Cubbidge	- Montgomery
P. L. Spoor	- Mtn. Northwest Region
W. R. Walter, Jr.	- North Carolina
J. E. Elliott	- Northeastern Region
T. Yorke	- Northern Illinois
R. A. Batson	- Oklahoma City
K. M. Foster	- Omaha
E. Austin	- Pacific Region
C. L. Woods	- Phoenix
R. H. March	- PPE, Springfield
C. R. Bauer	- Reading
R. C. Preuitt	- Reynolda Road
R. C. Whiteman	- Richmond
H. H. Pastorius	- Sandia Corporation
W. T. Johnston	- Shreveport
T. A. Campbell	- Southern Region
B. E. Frankenfield	- Southwestern Region
J. C. Vicario	- Southwestern Region - P&D Mtl. Dis.
C. W. Smallwood	- Southwestern Region - Des Peres, Mo
K. Lannin	- New River Valley Plant

Copy to:

J. R. Lauritzen	- 222 Broadway
M. I. Zeidman	- "
W. J. Avers	- "
L. J. Kaitz	- "
G. M. Wilkening	- BTL, Murray Hill
R. C. Allen	- AT&T, Basking Ridge
J. F. Watson	- Nassau Recycle, Gaston
W. Hageman	- " , Staten Island
H. L. Crisp	- Teletype, Little Rock
J. V. Blazek	- " , Skokie

April 30, 1981

MEMORANDUM FOR RECORD

Re: Closure Plan for Storage Facility

In the event closure of the Kearny Works facility were necessary; acceleration of our current disposal contract would be effected to remove all stored hazardous wastes. All tanks in which the wastes are generated would be drained into 55 gal. drums and disposed of through our disposal contractor.

:sr

G. C. TRANCHETTI - 84520

853860089

CHEMTECH
CONSULTING GROUP INC. 360 West 11th Street / New York, New York 10014 (212) 255-2100

13

June 29, 1981

Western Electric
100 Central Avenue
Kearny, N.J. 07032

Attn: Mr. Bill Rodney

PROJ. NO.: 06037

REF.:

LABORATORY REPORT

TEST / SAMPLE DESCRIPTION		Tunnel Sludge
Chromium	mg/l	<0.02
Nickel	mg/l	1.5
Cadmium	mg/l	0.005
Cyanide	mg/l	0.17
Arsenic	mg/l	0.018
Barium	mg/l	0.4
Lead	mg/l	<0.05
Mercury	mg/l	<0.0002
Selenium	mg/l	0.005
Silver	mg/l	0.01
Date sample received:		6/8/81

REMARKS:
RCRA EP leachate procedure.

Alan Schaffman, Ph.D.
Director, Analytical Services

30

853860090

WESTERN ELECTRIC COMPANY, INC.
ENGINEER OF MANUFACTURE
KEARNY, N.J.

APPROVED: 8432
AUGUST 1959-CPWACS

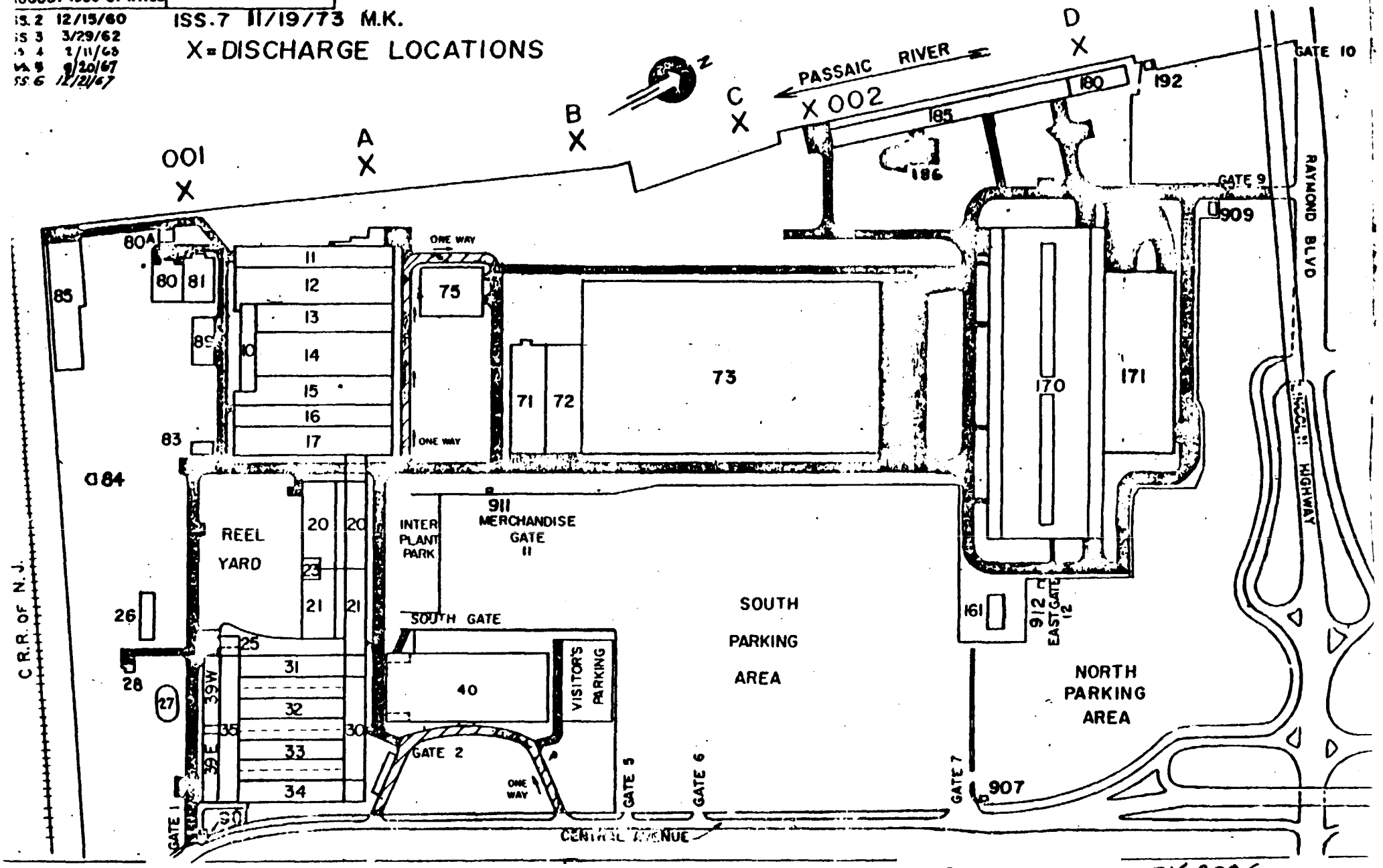
EPK-2036

ISS. 2 12/15/60
ISS 3 3/29/62
ISS 4 2/11/65
ISS 5 8/20/67
ISS 6 12/21/67

PLOT PLAN OF KEARNY TRACT

ISS.7 11/19/73 M.K.

X = DISCHARGE LOCATIONS



853860091

PK 2036

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME
ADDRESS WESTERN ELECTRIC CO
100 CENTRAL AVE.
KEARNY NJ 07032
FACILITY
LOCATION KEARNY TOWN

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 158-R002

NJ0020443 (2-16) PERMIT NUMBER
F 001 (17-19) DISCHARGE NUMBER
810301-810531

MONITORING PERIOD
FROM YEAR 81 (20-21) MO 03 (22-23) DAY 01 (24-25) TO YEAR 81 (26-27) MO 05 (28-29) DAY 31 (30-31)

GP A1
J3 4

PASSAIC RIVER
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(19 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		18.9	20	21.1	DEG. C		1/30	GK
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	43.40			1/30	GR
00340 1 CHEM. OXYGEN DEMAND (COD) EFFLUENT GROSS	SAMPLE MEASUREMENT	—	—	KG/DAY	0	+10.1	+19.0	MG/L		1/30	CT
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	50.00			1/30	CR
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		6.6	6.6	6.6	SU		1/30	GK
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00			1/30	GR
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	—	—	KG/DAY	+3.4	+4.3	+6.0	MG/L		1/30	CT
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	20.00			1/30	CR
01034 1 CHROMIUM, TOTAL (AS CR) EFFLUENT GROSS	SAMPLE MEASUREMENT	—	—	KG/DAY	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	0.50			1/30	CR
01092 1 ZINC, TOTAL (AS ZN) EFFLUENT GROSS	SAMPLE MEASUREMENT	—	—	KG/DAY	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	1.00			1/30	CR
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		.019	.058	.079	MGD		1/30	—
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			1/30	*

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
MR. E. J. ECKEL - VICE PRES.
TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

R. B. SHIFFIELD, JR.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
AREA CODE 201
NUMBER 435-4001

DATE
YEAR 81
MO 6

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

*PCNIT OF ZN & CH NOT REQ UNLESS AP*DED AS A CORROSION INHIBITOR *
* * *

853860092

PERMITTEE NAME/A[illegible] (Include Facility Name/Location if [illegible])

NATIONAL POLLUTANT DI[illegible] RGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MC[illegible] ORING REPORT (DMR)

m Approved
.IB No. 158-R00[illegible]

NAME
ADDRESS WESTERN ELECTRIC CO
1CO CENTRAL AVE.
KEARNY NJ 07032

FACILITY
LOCATION KEARNY TOWN

NJ0020443 — PERMIT NUMBER
F 002 — DISCHARGE NUMBER

810301-810531

02
GP AT
J3 4

MONITORING PERIOD
FROM YEAR 8 1 MO 0 3 DAY 0 1 TO YEAR 8 1 MO 0 5 DAY 3 1

PASSAIC RIVER
PROCESS WASTE

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
C0010 I TEMPERATURE,WATER DEG.CENTIGRADE	SAMPLE MEASUREMENT	* * * *	* * * *		12.8	15.0	16.7	DEG.C		1/30	GR
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	30.00			1/30	GR
00400 I PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.9	8.2	8.3	SU		1/30	GR
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00			1/30	GR
00530 I SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	2.2	2.8	KG/DAY	3.0	3.6	4.7	MG/L		1/30	C[illegible]
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	3.79		* * * *	* * * *	10.00			1/30	C[illegible]
00550 I OIL AND GREASE	SAMPLE MEASUREMENT	2.3	5.4	KG/DAY	1.0	3.8	9.0	MG/L		1/30	GR
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	3.79		* * * *	* * * *	10.00			1/30	GR
CC722 I CYANIDE, FREE	SAMPLE MEASUREMENT	0.01	0.01	KG/DAY	.01	.01	.02	MG/L		1/30	C[illegible]
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	0.01		* * * *	* * * *	0.03			1/30	C[illegible]
01032 I CHROMIUM, HEX-VAL (AS CR)	SAMPLE MEASUREMENT	0.01	0.02	KG/DAY	.02	.02	.02	MG/L		1/30	C[illegible]
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	0.02		* * * *	* * * *	0.05			1/30	CI
01034 I CHROMIUM,TOTAL (AS CR)	SAMPLE MEASUREMENT	0.11	0.13	KG/DAY	.07	.19	0.22	MG/L		1/30	C[illegible]
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	0.09		* * * *	* * * *	0.25			1/30	CI

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
E.J. ECKEL - VICE PRES.
TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 201 465-4001 (AREA CODE, NUMBER)
DATE: 81 6 9 (YEAR, MO, D)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

LOADING LIMITS PER 0.1 MGD *
*LOADING RESULTS REPORTED BASED *

853860093

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 158-R0073

NAME / ADDRESS: WESTERN ELECTRIC CO
100 CENTRAL AVE.
KEARNY NJ 07032

FACILITY LOCATION: KEARNY TOWN

PERMIT NUMBER: NJ0020443 F DISCHARGE NUMBER: 002

810301-810531

GP AT
J3 4

MONITORING PERIOD: FROM YEAR 81 MO 03 DAY 01 TO YEAR 81 MO 05 DAY 31

PASSAIC RIVER
PROCESS WASTE

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	QUALITY OR CONCENTRATION (4 Card Only) MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
01040 1 CCPPER, SCLUBLE (CU-SOLUBLE) EFFLUENT GROSS	SAMPLE MEASUREMENT	0.11	0.13		0.17	0.19	0.2			1/30	CP
	PERMIT REQUIREMENT	* * * *	0.08	KG/DAY	* * * *	* * * *	0.20	MG/L		1/30	CP
01042 1 CCPPER, TCTAL (AS CU) EFFLUENT GROSS	SAMPLE MEASUREMENT	0.12	0.13		0.18	0.20	0.2			1/30	CP
	PERMIT REQUIREMENT	* * * *	0.38	KG/DAY	* * * *	* * * *	1.00	MG/L		1/30	CP
01045 1 IRCN, TOTAL (AS FE) EFFLUENT GROSS	SAMPLE MEASUREMENT	0.12	0.22		0.11	0.21	0.4			1/30	CP
	PERMIT REQUIREMENT	* * * *	0.57	KG/DAY	* * * *	* * * *	1.50	MG/L		1/30	CP
01046 1 IRON, DISSOLVED FERRCUS+FERRIC EFFLUENT GROSS	SAMPLE MEASUREMENT	0.08	0.16		0.06	0.14	0.3			1/30	CP
	PERMIT REQUIREMENT	* * * *	0.19	KG/DAY	* * * *	* * * *	0.50	MG/L		1/30	CP
01049 1 LEAD, DISSCLVED (AS PB) EFFLUENT GROSS	SAMPLE MEASUREMENT	0.03	0.03		0.05	0.05	0.05			1/30	CP
	PERMIT REQUIREMENT	* * * *	0.02	KG/DAY	* * * *	* * * *	0.05	MG/L		1/30	CP
01051 1 LEAC, TOTAL (AS PB) EFFLUENT GROSS	SAMPLE MEASUREMENT	0.03	0.03		0.05	0.05	0.05			1/30	CP
	PERMIT REQUIREMENT	* * * *	0.38	KG/DAY	* * * *	* * * *	1.00	MG/L		1/30	CP
01065 1 NICKEL, SCLUBLE (AS NI) EFFLUENT GROSS	SAMPLE MEASUREMENT	0.06	0.09		0.08	0.11	0.15			1/30	CP
	PERMIT REQUIREMENT	* * * *	0.38	KG/DAY	* * * *	* * * *	1.00	MG/L		1/30	CP

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: E J ECKEL - VICE PRES.
TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 201 NUMBER 465-4001

DATE: YEAR 81 MO 6 DAY 2

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

LCADING LIMITS PER 0.1 MGD *

*LOADING RESULTS REPORTED BASED *

853860094

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME
ADDRESS WESTERN ELECTRIC CO
100 CENTRAL AVE.
KEARNY NJ 07032

FACILITY
LOCATION KEARNY TOWN

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MONITORING REPORT (DMR)

PERMIT NUMBER: NJ0020443 (2-16)

DISCHARGE NUMBER: F 002 (17-19)

MONITORING PERIOD: FROM YEAR 81 MO 03 DAY 01 (20-21, 22-23, 24-25) TO YEAR 81 MO 05 DAY 31 (26-27, 28-29, 30-31)

810301-810531

Form Approved OMB No. 158-R00

GP A
J3 4

PASSAIC RIVER PROCESS WASTE

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		QUANTITY OR LOADING (18 Card Only) (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (44 Card Only) (18-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69)
C1067 1 NICKEL, TOTAL (AS NI) EFFLUENT GROSS	SAMPLE MEASUREMENT	0.06	0.09	KG/DAY	0.08	0.11	0.15	MG/L		1/30	C
	PERMIT REQUIREMENT	* * * *	0.76		* * * *	* * * *	2.00			1/30	C
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		0.151	0.160	0.170	MGD		1/30	—
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	1.10			1/30	*
61402 1 BICASSAY, 96 HRS EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		(see Attached)		55.5%	MG/L		1/90	C
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			1/90	C
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MR. E.T. ECKEL - Vice Pres.

TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Violations under these statutes may be fined up to $10,000 and/or imprisonment of between 6 months and 5 years.)

R.B. Bitterfeld, Jr.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 201 NUMBER 465-4001

DATE: YEAR 81 MO 6

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

LOADING LIMITS PER 0.1 MGD *
*LOADING RESULTS REPORTED BASED * Approx. Total Sludge *
For Quarter — 448,000 Lbs *

853860095

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME
ADDRESS WESTERN ELECTRIC CO
100 CENTRAL AVE.
KEARNY NJ 07032
FACILITY
LOCATION KEARNY TOWN

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 158-R

(2) NJ0020443 PERMIT NUMBER

F (17-19) 903 003 DISCHARGE NUMBER

810301-810531

GP
J3

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	8 1	0 3	0 1	TO	8 1	0 5	3 1
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PASSAIC RIVER
RUNOFF OIL & GREASE

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		QUANTITY OR LOADING (41 and Only) (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (41 and Only) (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SA T
00056 1 FLOW RATE (GALLONS PER DAY) EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		600	800	1000	GPD		1/30	
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			*	
00340 1 CHEM.OXYGEN DEMAND (COD) EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY	1.9	28	70	MG/L		1/30	C
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	100.00			1/30	
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		7.3	7.4	7.5	SU		1/30	G
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00			1/30	
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY	5.6	6.8	12.0	MG/L		1/30	C
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	50.00			1/30	
00550 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY	1.0	2.2	4.5	MG/L		1/30	G
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	15.00			1/30	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MR. E.J. ECKEL - VICE PRES.

TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 201 NUMBER 465-4000

DATE: YEAR 81 MO 6

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ONLY TRACE AMOUNTS OF FLOAT SOLS OR VIS FOAM IN DISCH.

DIS 903 IS DIS 003.

853860096

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME
ADDRESS WESTERN ELECTRIC CO
100 CENTRAL AVE.
KEARNY NJ 07032
FACILITY
LOCATION KEARNY TOWN

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 158-R0

(3-16) NJ0020443 PERMIT NUMBER

(17-19) F 904 004 DISCHARGE NUMBER

810301-810531

GP A
J3 4

MONITORING PERIOD
FROM YEAR 81 (20-21) MO 03 (22-23) DAY 01 (24-25) TO YEAR 81 (26-27) MO 05 (28-29) DAY 31 (30-31)

PASSAIC RIVER
RUNOFF OIL & GREASE

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (1 Card Only) (46-53) AVERAGE (54-61)	MAXIMUM (54-61)	UNITS	QUALITY OR CONCENTRATION (1 Card Only) (38-45) MINIMUM (46-53)	AVERAGE (54-61)	MAXIMUM (54-61)	UNITS	NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMP TYP (69)
00340 1 CHEM. OXYGEN DEMAND (COD) EFFLUENT GROSS	SAMPLE MEASUREMENT	****	****	KG/DAY	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	****	****		****	****	100.00			1/30	C
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	****	****		—	—	—	SU		—	—
	PERMIT REQUIREMENT	****	****		6.00	****	9.00			1/30	G
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	****	****	KG/DAY	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	****	****		****	****	50.00			1/30	C
00550 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	****	****	KG/DAY	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	****	****		****	****	15.00			1/30	G
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	****	****		—	N/L	—	MGD		—	—
	PERMIT REQUIREMENT	****	****		****	****	****			*	*
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MR. E.J ECHEL - VICE PRES
TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

E.J. ECHEL JR.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 201 | NUMBER 465-4001

DATE: YEAR 81 | MO 6 | D

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ONLY TRACE AMOUNTS OF FLOAT SOLS OR VIS FOAM IN DISCH.

DIS 904 IS DIS 004.

853860097

PERMITTEE NAME/AD 1S (Include Facility Name/ Location if s)

NAME
ADDRESS WESTERN ELECTRIC CO
100 CENTRAL AVE.
KEARNY NJ 07032
FACILITY
LOCATION KEARNY TOWN

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

m Approved
B No. 158-R007
02

(2 16) NJ0020443 PERMIT NUMBER

F (17 19) 905 005 DISCHARGE NUMBER

810301-810531

GP A1
J3 4

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	8 1	0 3	0 1	TO	8 1	0 5	3 1
	(20 21)	(22 23)	(24 25)		(26 27)	(28 29)	(30 31)

PASSAIC RIVER
RUNOFF OIL & GREASE

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (63-63)	FREQUENCY OF ANALYSIS (64-68)	SAMP TYPE (69-7
00340 1 CHEM.OXYGEN DEMAND (COD) EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	100.00			1/30	GF
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		—	—	—	SU		—	—
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00			1/30	GF
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	50.00			1/30	GF
00550 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY	—	—	—	MG/L		—	—
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	15.00			1/30	GF
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		—	NIL	—	MGD		—	—
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			*	*
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MR. E.J. ECKEL - Vice Pres.

TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

R.D. BUTTERFIELD, JR.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER
201	465-4001

DATE

YEAR	MO	D
81	6	9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

CNLY TRACE AMOUNTS OF FLOAT SOLS OR VIS FOAM IN DISCH

DIS 905 IS DIS 005.

853860098

PERMITTEE NAME/AI 55 (Include Facility Name/ Location if. i)

NATIONAL POLLUTANT DIS RGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MC ORING REPORT (DMR)

m Approved
IB No. 158-R00

NAME
ADDRESS WESTERN ELECTRIC CO
100 CENTRAL AVE.
KEARNY NJ 07032

FACILITY
LOCATION KEARNY TOWN

(2 16) NJ0020443 PERMIT NUMBER

(17 19) F ~~906~~ 006 DISCHARGE NUMBER

810301-810531

02
GP AT
J3 4

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	8 1	0 3	0 1	TO	8 1	0 5	3 1
	(20 21)	(22 23)	(24 25)		(26 27)	(28 29)	(30 31)

PASSAIC RIVER
RUNOFF OIL & GREASE

NOTE: Read instructions before completing this form.

PARAMETER (32 37)		(1 Card Only) (46 53) QUANTITY OR LOADING (54 61) AVERAGE	MAXIMUM	UNITS	(1 Card Only) (38 45) QUALITY OR CONCENTRATION (46 53) MINIMUM	AVERAGE	(54 61) MAXIMUM	UNITS	NO. EX (62 63)	FREQUENCY OF ANALYSIS (64 68)	SAMPL TYPE (69 70)
00340 1	SAMPLE MEASUREMENT	* * * *	* * * *		—	—	—			—	—
CHEM. OXYGEN DEMAND (COD)	PERMIT REQUIREMENT	* * * *	* * * *	KG/DAY	* * * *	* * * *	100.00	MG/L		1/30	CP
EFFLUENT GROSS											
00400 1	SAMPLE MEASUREMENT	* * * *	* * * *		—	—	—			—	—
PH											
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00	SU		1/30	GR
00530 1	SAMPLE MEASUREMENT	* * * *	* * * *		—	—	—			—	—
SOLIDS, TOTAL SUSPENDED											
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	* * * *	KG/DAY	* * * *	* * * *	50.00	MG/L		1/30	CP
00550 1	SAMPLE MEASUREMENT	* * * *	* * * *		—	—	—			—	—
OIL AND GREASE											
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	* * * *	KG/DAY	* * * *	* * * *	15.00	MG/L		1/30	GR
50050 1	SAMPLE MEASUREMENT	* * * *	* * * *		—	N/L	—			—	—
FLOW											
EFFLUENT GROSS	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *	MGD		*	*
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MR. E. J. ECKEL - VICE PRES.

TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may be fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 201 | NUMBER 465-4001

DATE: YEAR 81 | MO 6 | D 2

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ONLY TRACE AMOUNTS OF FLOAT SOLS OR VIS FOAM IN DISCH

DIS 906 IS DIS 006.

853860099

August 26, 1981

MR. J. P. LOGIO - 24740

Re: Specialized Environmental Training Required by Federal State and Local Laws Pertaining to the Receival, Handling, Storage, Control and Disposal of Hazardous Materials

Environmental Laws since 1976 have necessitated special attention and training for hazardous material storekeeping functions over and above normally recognized storekeeping duties.

1. Receival

Item	Required By*
Determine if material is combustible, flammable, reactive, toxic caustic or corrosive. This includes solids liquids and gases. Apply appropriate labels.	OSHA and DOT

2. Handling - Storage - Control

Item	Required By
Segregate in storage acids from cyanides, flammables from other categories, etc.	OSHA
Follow trucking and handling procedures to prevent or contain spills which would result in civil and criminal judgements.	USEPA NJDEP
Handle and dispense highly flammable materials safely.	OSHA Insurance Co's. C.I.
Administer Authorization system to assure distribution only to authorized shops.	OSHA C.I.
Police functions of shops, and truckers, returning waste materials (packaging, segregation, identification, etc.)	OSHA RCRA NJDEP USEPA

3. Disposal

Item	Required By
Determine constituents of wastes to segregate into ignitable, corrosive, toxic and reactive via 100% sampling. Regularly interface with chemical test firm.	RCRA

3. Disposal (Continued)

Item	Required By
Monitor qualifications of waste haulers.	RCRA NJDEP
Segregate, package, label, placard and load wastes for shipping.	DOT RCRA
Fill out and sign waste hazardous material manifests and journal orders.	RCRA NJDEP C.I.

Since 1976, Mr. R. Capetola has worked with and received specialized training in the above items from G. C. Tranchetti, Senior Engineer, B. H. Rapp, Senior Engineer, A. J. Basile, Planning Engineer and C. F. Chu, Engineer. Mr. Capetola has contributed greatly to the formulation and practical implementation of the above policies.

BHR:84520:sr

J. T. CHIKOWSKI - 84520

Copy to:
L. C. Attisano - 24749

*Abbreviations of Agencies or Acts

OSHA - Federal Occupational Safety and Health Administration

DOT - Federal Department of Transportation

USEPA - Federal Environmental Protection Agency

NJDEP - New Jersey - Department of Environmental Protection

C.I. - Corporate Instructions

RCRA - Federal Resource Conservation and Recovery Act (administered by USEPA)

MEMORANDUM FOR RECORD

Re: 1981 Wastewater Treatment Plant Survey - Kearny Works

During October 27 through 29, 1981, I visited the Kearny Works to perform a survey of their wastewater treatment plant (WTP). Also, the operation of the WTP has been observed during recent visits to the Kearny Works to conduct laboratory tests in their control room.

General

This WTP was designed for an average flow of 1.1 MGD. During the period of October 1 through 28, 1981, the average flow was approximately 56,000 gpd. Under normal conditions, the WTP is operated two shifts/day, five days/week. There are two licensed operators and a helper on duty during the first shift, and a licensed operator and a helper on duty during the second shift.

The printed wiring board operations in the 170 building have been discontinued. These jobs have been transferred to the Richmond Works. Therefore, the majority of the wastewater which is treated at the WTP is generated in the 185 building. Kearny has been allocated the plating work, for two products, which was formerly carried out at the Kansas City Works. This is expected to increase their wastewater flow by approximately 5%.

Treatment

The WTP contains acid-alkali (A/A) neutralization, chrome reduction, cyanide destruction, solids removal, and sludge dewatering systems. Currently, the wastewater flow through the A/A system is in the acid condition (pH 2.2 - 2.4). Neutralization of this wastewater is not performed in this system. The pH is adjusted in the rapid mix tank after the A/A, cyanide, and chrome wastestreams are mixed. This is done due to the presence of hexavalent chrome in the cyanide wastestream. In order to treat this hexavalent chrome, the pH in the influent chamber to the rapid mix tank is kept below 4 and the residual sulfur dioxide from the chrome system is maintained much higher than the residual chlorine from the cyanide system.

The concentrated acid holding tank is in need of repair. The lining is bubbled in some areas. A job request for the replacement of this lining was prepared on May 13, 1981.

In the chrome system, hexavalent chrome is reduced to trivalent chrome by means of the acid sulfonation reduction process. Sulfuric acid is fed into the chrome treatment tank to maintain an acid environment and sulfur dioxide gas is employed here for its reducing characteristics. The set points in the treatment tank are a pH of 2.3 and an ORP of 280 mv. A sulfur dioxide residual of 30 to 40 ppm is maintained.

The cyanide wastestream is treated in a flow-through, two stage alkaline chlorination system. Sodium hydroxide is used for pH adjustment and chlorine gas for oxidation purposes in this system. In the first stage the set points are a pH of 10.2 and an ORP of 390 mv. The set points in the second stage are a pH of 7.9 and an ORP of 590 mv. A 4 to 6 ppm chlorine residual is maintained.

The three wastestreams are combined in the influent chamber which leads to the rapid mix tank. In the rapid mix tank, the pH is controlled at the set point of 8.6. Also the coagulant, ferric sulfate, is added here.

The solids removal unit at Kearny is an EIMCO 45 ft. diameter reactor-clarifier. During this survey, the sludge bed was maintained approximately 4 ft. below the surface. The supernatant was always clear and had a pH of approximately 8.8. The clarifier was sand blasted and coated with bitumastic during the two week shut-down in July. The coagulant aid, Calgon WT-2700 (an anionic polymer) is added in the center well.

The sludge blow-off schedule varies. It is set according to the usage of coagulant aid. For example, when the aid usage is high, the blow-off is increased. At the time of this survey, the timer which controls the opening and closing of the desludging valve was set to open 45 seconds every 90 minutes.

The pH of the effluent from the clarifier is adjusted in the final pH adjustment tank. The set point in this tank is a pH of 8.2.

EFFLUENT QUALITY

There have only been two instances to date in 1981 where the effluent was not in compliance with their National Pollutant Discharge Elimination System (NPDES) permit conditions. The following are the average levels of their permitted parameters f the first nine months of 1981:

	Average	Permit Value
Oil and grease (mg/l)	2.0	10
TSS (mg/l)	4.9	10
Cr Total (mg/l)	0.07	0.25
Cr^{+6} (mg/l)	0.02	0.05
Cu Total (mg/l)	0.21	1.0
Cu Soluable (mg/l)	0.16	0.2
Ni Total (mg/l)	0.14	2.0
Ni Soluable (mg/l)	0.12	1.0
Lead Total (mg/l)	0.05	1.0
Lead Soluable (mg/l)	0.05	0.05
Iron Total (mg/l)	0.22	1.5
Iron Soluable (mg/l)	0.12	0.5
Cyanide Oxidizable (mg/l)	0.016	0.03
pH (units)	7.6	6.0 - 9.0

Sludge Dewatering

The sludge is dewatered on a Komline-Sanderson 8 ft. x 8 ft. rotary drum precoat vacuum filter. Perlite is the precoat material which is used. The last filter run was made on October 16. Prior to that filter runs were performed at least once per week. An average filter run dewaters approximately 12,500 gallons of raw sludge.

A percent solids determination of the filter cake is performed on a monthly basis. The test is done by heating the filter cake sample at 110°C to constant weight. The filtered sludge averaged 20% solids to date during 1981. Their maintenance records indicate that the filter cloth has been replaced in December of 1975 and 1979. Also, the polypropylene wear plate has been replaced at least once every two years.

Pump Room

The condition of the pump room area was good. There were no water puddles. One pump was being painted and the rest had a good coat of paint on them.

One sludge pump was out of service. A leak in the casing was found by an operator. Upon dismantling, it was discovered that the impeller was also badly erroded. A new sludge pump is on order.

The epoxy coating on the pump room floor had two tears in it. One between P-11 and P-12, and the other in front of the gland seal water pump.

Reclaimed Water

As the result of a suggestion made by the day shift operators of the WTP, reclaimed water is being used for the mixing of chemicals and the cleaning of tanks. Since June, 1981, this water has been used for mixing ferric sulfate, coagulant aid and precoat.

Analysis

The WTP control room is equipped with a Perkin-Elmer atomic absorption unit, Beckman and Corning pH meters, a variety of glassware and chemicals, and other miscellaneous equipment. The operators perform the following tests either during start up or on an hourly or bi-hourly basis.

Tank	Tests
Clarifier	Cr^{+6}, Total Cr, Total Cu
Rapid Mix	Cr^{+6}, Total Cr, Total Cu, SO_2, Iron, Cl_2
A/A Surge	Cr^{+6}, Total Cr, Total Cu, Iron, Acidity
A/A Effluent	Cr^{+6}, Total Cr, Total Cu
CN Surge	Cr^{+6}, Total Cr, Total Cu
CN; 1st and 2nd stage and effluent	Total Cr, Total Cu, Cl_2
Chrome Treatment	Cr^{+6}, SO_2
Chrome Effluent	Cr^{+6}, SO_2
Final Effluent	Cr^{+6}, Total Cr, Total Cu, Total Soluble metals

A composite sample is analyzed on a monthly basis by the Chemtech Consulting Group. These results are reported to the Environmental Protection Agency (EPA) pursuant to Kearny's NPDES permit.

NPDES Permit

Kearny's NPDES permit was to expire on June 30, 1981, however, because they have applied for renewal the conditions of this permit are still in effect. Renewal was applied for in December, 1981. The EPA acknowledged receipt in a letter of February 3, 1981 and is currently processing the renewal application.

On September 14, 1981, Mr. P. Greco of Region II EPA visited the Kearny Works to perform a NPDES inspection. The purpose of this visit was to review Kearny's compliance with their existing permit. Mr. Greco seemed to be satisfied with the Kearny operation and indicated that the processing of their renewal application was slow due to a shortage of manpower.

Conclusion

The WTP at the Kearny Works is being maintained and operated very well. The immaculate condition of the control room and other work areas should also be noted.

T. A. Hunter

T. A. HUNTER
Plant Engineer

SPILL
PLAN
11-81

November 20, 1981

MEMORANDUM FOR RECORD

Re: Inspection of Kearny Works

On November 19, 1981, Messrs. Paul M. Zarrillo and James Plummer of the New Jersey Department of Environmental Protection accompanied by J. T. Chikowski and B. H. Rapp of Department 84520, inspected various areas with the following objectives:

1. To determine the level of compliance with existing water pollution laws.

2. To determine if any elements were missing from the revised Spill Plans submitted on November 5, 1981.

3. To determine if the compliance measures proposed on the Spill Plans were reasonable.

After making a rather lengthy inspection, Messrs. Zarrillo and Plummer agreed that we are in compliance with existing laws and that our Spill Plans seem satisfactory. They will write a letter recommending acceptance of the Plans to the Director of the Division of Hazard Management, and he should advise us of formal plan approval in February, 1982.

We deeply appreciate Mr. Hardy's cooperation, which has resulted in continuously presentable conditions.

One request for action was made. Acid carboys are stored close to the edge of the macadam pavement south of Building 185. A leak here could reach ground water. Department 84520 will pursue relocation of the carboys or the installation of a short length of curb. Either solution is relatively low cost.

Bruce H. Rapp

:sr

BRUCE H. RAPP - 84520

Approved: J. T. Chikowski

J. T. CHIKOWSKI - 84520

Copy to:
D. M. Cuomo - 80000
A. L. Ferren - 84000
J. Kreitz - 84500
W. J. Hardy - 84700

OCT 27 1981

MR. R. B. BUTTERFIELD, JR. - 15K

Re: Attached Amended Spill Plans for Kearny Works

On December 7, 1979, we submitted Spill Plans to the State of New Jersey to comply with State Law. The plans provided information, as required by the Law, and proposed, among other things, to consolidate hazardous materials storage at a current cost of approximately $1,000,000.

Plan approval was stayed by litigation, until the New Jersey Supreme Court ruled in favor of the State on May 1, 1981.

On August 7, 1981, the State requested that we update the Plans by November 5, 1981. The State will render final approval or disapproval by February 3, 1982.

The attached amended Plans contain revisions which are trivial except for one item. Current business needs require us to rescind, at least temporarily, the offer of the $1,000,000 hazardous materials consolidation. The lowest cost, complying substitute is simply to concentrate all virgin materials and waste in the area west of Building 73 for approximately $60,000. Action on this need not start until January, 1983 at the earliest. The decision can be easily revised until that date.

The amended Plans have been reviewed and approved by Corporate Environmental and Legal Staff. State approval is expected but not certain. If the Plans are not approved, we will request a hearing.

Your signature on the cover letter to Mr. Stoop is recommended.

BHR:84520:sr

D. M. CUOMO - 80000

Att.

853860108

Western Electric
Kearny Works

CI 76.301 - NY
LAD 1
App A
May 12, 1977

SPILL CONTROL AND COUNTERMEASURE PLAN

Western Electric Company, Kearny, New Jersey

This plan is prepared in accordance with Environmental Protection Agency rules and regulations, Chapter I, Subchapter D, Part 112 for a facility located on the east side of the Passaic River about one-half mile north of Newark Bay. It is used solely to receive and store oil for use in generating steam in the adjacent powerhouse.

1. DESCRIPTION OF FACILITY - OIL TANK

1.1 The storage facility is a welded steel oil tank of 20,000 barrels nominal capacity, located about 480 feet from the river bulkhead. The tank is 60 feet in diameter and 40 feet high, supported two feet above grade on a piled concrete foundation. A steel dike 100 feet in diameter and 16 feet high is supported on a concrete foundation extending a minimum of three feet below grade. The only two openings through the dike and foundation are closed respectively by a bolted flange and an Eddy shear gate, bolted closed.

2. PIPING

2.1 All piping associated with the tank, except foamite, is carried in a concrete trough with removable covers flush with grade to the powerhouse basement where pumps, heaters and associated equipment are installed. Surface water entering the trough runs into the basement, where it is readily observed by personnel in the area, and any oil leakage would be equally visible. The oil fill line continues through the powerhouse basement, a tunnel connecting to the former coal and ash handling building, the basement of that building and a short concrete trough under the road to a valved termination at the river bulkhead. The latter portion of the run is not frequented by personnel, but as the fill line is blown out or pumped out after each oil receival and valves at both ends closed, leakage could occur only during receival of oil.

2.2 Deliveries of oil are received by barge. A connection, with a pump, for unloading tank cars exists in the coal and ash building, but it has never been used and there are no plans to use it. It is not equipped with a facility tank car and tank truck loading/unloading rack and the regulations covering this type of installation are not applicable.

3. PREVIOUS SPILLS

3.1 This facility has been in operation since 1962 and no oil spill has ever occurred

X

853860109

4. POTENTIAL FOR MECHANICAL FAILURE

4.1 This potential is judged to be extremely low. Tank overflow is prevented both by comparison of metered flow into the tank with previously calculated empty capacity available and by stationing a man on top of the tank during oil receivals to monitor the level. In event of tank leakage or rupture the discharge would be contained within the dike until pumped out. With no portion of the dike as close as 400 feet to the river bulkhead or 100 feet to a storm water surface drain the possibility of oil reaching navigable water is considered to be remote.

5. CONTAINMENT STRUCTURES

5.1 Onshore Facilities - The dike referred to above would serve to contain oil spilled from the storage tank. Leakage from pipes and other equipment would be contained within the concrete troughs and basement.

5.2 Offshore Facilities - A spill into the water during oil receivals would be handled by the commercial barge transporting the oil, which must carry equipment and employ procedures in accordance with applicable Coast Guard Regulations. Minor spills at the bulkhead connection would be caught in a small discharge container installed in accordance with Coast Guard requirements.

6. ACTION IN EVENT OF A SPILL

6.1 General instructions have been prepared for action to be taken in the event of any observable spill or discharge of oil or chemicals which cannot be cleaned up promptly and which might directly or indirectly result in pollution of the Passaic River.

6.2 If such spill or leakage should occur, notification shall immediately be made, if during the day shift, to the Department Chief of Environmental Control if available, or to his alternates in the following order:

Department Chief, Environmental Control	Ext. 3933
Water Pollution Engineer	Ext. 2161 or 2306
Industrial Hygiene Engineer	Ext. 3188
Safety Engineer	Ext. 4304

6.3 Notification at other times shall be to:

Night Shift Coordinator	Ext. 2167
Plant Security	Ext. 2222 or 2223

6.4 If it appears that available personnel and equipment are inadequate to contain and remove an oil spill, the following shall be notified that a spill has occurred and assistance is required:

Metropolitan Petroleum Petrochemicals Co., Inc.
25 Caven Point Road
Jersey City, N.J. 07305
(201) (9) 434-4451

6.5 If the spill is major, the Department Chief of Environmental Control or his delegate will notify the following supervisor:

Manager, Manufacturing Engineering	Ext. 2021
Assistant Manager, Works Service	Ext. 4261
Assistant Manager, Plant Engineering	Ext. 4170

6.6 The Engineering Manager or his delegate will investigate the spill, establish decontamination procedures where possible and notify immediately one of the following Federal officials by telephone in the sequence listed:

(a) National Response Center
800-424-8802

(b) N.J.D.E.P. Trenton
Business Hours: 609-292-5560
All Other Times: 609-292-7172

(c) U.S. Coast Guard
Captain of the Port, Pollution Section
212-264-8753

6.7 If a major spill occurs at a time other than during the day shift, the Night Administrator will notify the Department Chief of Environmental Control or his alternates at home and o-tain decontamination instructions. He shall also notify the officials and the supervisors listed above. Provisions are also included for notifying company headquarters officials of occurrence and description of spills at any time.

6.8 Corrective actions to be employed may include retention, collection, neutraliza and removal of spilled material using barriers, pumps, absorbants, buffer chemicals and transport equipment as found appropriate, in accordance with N.J.D.E.P. and Coast Guard regulations. No chemicals are to be added without their prior approval.

KEARNY WORKS

X
03270:GEP

Western Electric
Kearny Works

CI 76.301 - KY
LAD 1
May 12, 1977
Replaces issue dated 11/15/74

14KY184520

CONTINGENCY PLAN FOR OIL AND CHEMICAL SPILLS

1. GENERAL

1.1 Objective - The Federal and State Governments have decreed that there shall be no discharge of oil or other hazardous materials into the waters of the state or onto lands from which it might flow or drain into these waters.

1.2 This instruction has been prepared to respond to any such discharge into the river, storm sewer, sanitary sewer or anywhere on our property.

1.3 "Hazardous Substances" include:

(a) Petroleum and petroleum products

(b) All pesticides designated as "prohibited," "restricted," or "specially restricted" pursuant to New Jersey Pesticide Control Act of 1971 (N.J.S.A. 13:1F-1 et seq.) at N.J.A.C. 7:30-1.5 thru 1.7, on file in the Environmental Control Department 14KY184520.

(c) Substances identified as hazardous by the Federal Environmental Protection Agency at 40 FR 59961, December 30, 1975, proposed pursuant to Section 311 (b (2) (A) of the Federal Water Pollution Control Act Amendments of 1972, 33 USC 1251 et seq., on file in the Environmental Control Department 14KY184520.

1.4 Interpretation of what action to take:

(a) Any single major spill and accidental discharge of oil or chemical large enough to be noticed shall be subject to the governmental reporting and corrective features of this contingency plan. (See par. 2 below).

(b) Intentional or careless discharges of oil or untreated chemicals to the storm water system or sanitary sewer in less obvious amounts either occasionally or repetitively are prohibited and when observed shall be reported to the Department Chief of Environmental Control who shall determine the course of action. (See par. 3 below).

(c) All other lesser spills which cannot be cleaned up promptly without some minor discharge shall be reported as soon as possible to the Department Chief of Environmental Control who shall determine the course of action. (See par. 4 below).

(d) The addition by operating or maintenance personnel of dispersants or emulsifiers to oil or organic chemicals to circumvent this instruction is prohobited. This does not prevent the use of fire extinguisher foam in fire fighting or the use of emulsifiers in emergency situations to reduce hazardous vapors in confined areas under the direction of Environmental Control or Plant Security.

853860112

X

2. REPORTING PROCEDURE FOR MAJOR SPILLS UNDER THIS PLAN

2.1 When a serious spill has occurred during the day shift and the possibility of, or actual temporary water pollution exists, immediate notification shall be made to the Department Chief of Environmental Control (14KY184520), Ext. 3933. If he is not available, contact one of the following alternates, in the order listed below:

Water Pollution Engineer - 14KY184520 (Ext. 2161)
Industrial Hygiene Engineer - 14KY184520 (Ext. 3188)
Safety Engineer - 14KY184520 (Ext. 4304)

2.11 The Department Chief of Environmental Control (14KY184520) or his alternate shall immediately contact the following supervisors to apprise them of the spill:

Engineering Manager - 14KY184000 (Ext. 2021)
Assistant Manager, Engineering - 14KY184500 (Ext. 4170)
Plant Construction & Maintenance Plant Security Assistant Manager - 14KY122700 (Ext. 4261)

2.12 The Engineering Manager of Environmental Control or his delegate shall immediately determine the nature and extent of the spill, establish decontamination procedures where possible. When our facilities are not capable of removing the spillage, assistant shall be obtained from:

Metropolitan Petroleum Petrochemicals Inc.
25 Caven Point Road
Jersey City, N.J. 07305
Phone: (201) (9) 434-4451

2.121 Notify the following officials immediately by telephone:

(a) National Response Center
800-424-8802

(b) N.J. Department of Environmental Protection (N.J.D.E.P.)
During Business Hours - 609-292-5560
All Other Times - 509-292-7172
(If a call to the first number is not answered, then the second number should be called).

(c) U.S. Coast Guard
Captain of the Port, Polution Section
212-264-8753

2.13 When a major spill occurs at other times the Night Administrator (14KY124140, Ext. 2167) and Plant Security should be notified. The Night Administrator shall contact the Department Chief of Environmental Control or his alternates at home and obtain instructions on decontamination procedures. The Night Administrator shall notify the officials listed in par. 2.121. He shall also notify, or take appropriate action to notify as soon as possible each of the personnel listed in par. 2.11.

2.14 Confirmation of Notification Report - The Department Chief of Environmental Control shall send a written confirmation of the notification of discharge within ten working days after giving notice to the N.J.D.E.P. Confirmation shall include a description of the discharge incident, including the source, if known; a description of the measures taken to clean up and remove the discharge and any steps planned or taken to prevent a recurrence of the discharge incident. Confirmation letters shall be sent to:

Department of Environmental Protection
Division of Water Resources
P.O. Box 2809
Trenton, New Jersey 08625
ATTENTION: Discharge Confirmation

3. CORRECTIVE ACTIONS

Immediate action to be taken is to stop and contain the discharge with due consideration to the immediate fire and toxic hazards to personnel involved. The Department Chief or his alternate shall direct any further clean up or decontamination procedures. No chemicals shall be applied without prior approval of the N.J.D.E.P. or Federal On Scene Coordinator. Unauthorized use of chemicals shall be regarded as a prohibited discharge.

4. COMPANY HEADQUARTERS NOTIFICATIONS

4.1 For an incident which resulted in temporary pollution of surrounding waterways and for which notification of Federal officials per par. 2.121 has been done, the Engineering Manager responsible for environmental control shall also notify the following by telephone:

Manager, Corporate Engineering, Environmental Engineering, Ext. 8-222-4808

If not available, the telephone notification shall be directed to:

Assistant Manager, Environmental Engineering, Ext. 8-222-3280
or
Attorney, (Environmental Matters) Gen. Atty. Org., Ext. 8-222-2488

4.2 The telephone notification shall be confirmed by a TWX with copies to all the individuals listed in par. 4.1. The TWX should include the following information:

(a) Location, date and time of incident.

(b) Brief description of the incident, i.e., oil spillage, acid spillage, etc.

(c) Possible hazards or danger resulting from the incident, for example, river polluted.

(d) Date, time, agency and individual(s) that the incident was reported to, i.e., Coast Guard, Environmental Protection Agency, State Department of Environmental Protection, etc.

(e) Action being taken by the Kearny Works.

X

[illegible] It is to the Company's advantage to maintain good working relations between Kearny personnel responsible for water pollution and State of New Jersey or Town of Kearny regulatory authorities. Such interaction should continue and need not be communicated to Corporate Engineering Control unless:

(a) We are charged with violating a regulation.

(b) We have a reportable incident as described above.

(c) A situation has occurred which appears to have a significant impact upon the Company in the environmental area.

(d) We make any formal communication to Federal environmental personnel. (i.e., send copies of such formal correspondence to Corporate Engineering.

5. PREVENTION

5.1 When fuel oil is pumped from the barge to the Powerhouse storage tank, the valve at the bulkhead shall be manned at all times. When the pumping is completed, the valve shall be closed and locked, the supplier's hose disconnected and the filler pipe blanked off. Tailings or drippings shall be collected and not permitted to drop into the water. The barge is equipped with flotation barriers for use in the event of a spill due to hose or equipment failure. If carelessness or actual spilling is observed, it should be reported promptly to the Department Chief of Environmental Control (14KY184520) for appropriate action. See App A.

5.2 No chemicals and no oils or other organic material may be poured or allowed to escape into storm water drains at any time.

5.3 No oils or organic materials may be poured into or allowed to escape into sanitary drains at any time.

5.4 Chemicals from plating and metal finishing operations will be permitted only into those drains specially designated for the purpose by Environmental Control. This will normally proceed via suitable water treatment facilities.

5.5 All other liquid waste shall be removed from the premises by the contract scavenger's truck or incinerated by approved methods.

KEARNY WORKS

Reason For Reissue:
Revised throughout

X
03270:GEP

Western Electric Co., Inc.
Kearny Works

October 16, 1972

CONTINGENCY PLAN FOR OIL AND CHEMICAL SPILLS

1. General

1.1 Objective - This instruction has been prepared to provide a contingency plan to respond to major accidental spills of oils or chemicals to the navigable waters adjoining our property or to the sanitary sewer from facilities or containers on the Kearny Tract.

1.2 Scope - For the purpose of this instruction, a "spill" refers to any accidental or undesirable discharge of material which might result in water pollution either directly to the Passaic River through the grounds storm water system or indirectly through the sanitary sewer or ground seepage.

1.3 Harmful discharges to navigable waters - The Federal Act holds that spills and discharges to navigable waters are harmful when they

(a) Violate applicable water quality standards, or

(b) Cause a film or sheen (iridescent appearance) on the surface of the receiving water or cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines.

1.4 Interpretation of what action to take:

(a) Any single major spill and accidental discharge of oil or chemi large enough to be noticed and reported to the authorities by the public (including our own employees) shall be subject to the governmental reporting and corrective features of this contingency plan. (See par. 2 below.)

(b) Intentional or careless discharges of oil or untreated chemical to the storm water system or sanitary sewer in less obvious amounts either occasionally or repetitively are prohibited and when observed shall be reported to the Department Chief of Environmental Control who shall determine the course of action (See par. 3 below.)

(c) All other lesser spills which cannot be cleaned up promptly without some minor discharge shall be reported as soon as possible to the Department Chief of Environmental Control who shall determine the course of action. (See par. 4 below.)

(d) The addition by operating or maintenance personnel of disperse or emulsifiers to oil or organic chemicals to circumvent this instruction is prohibited. This does not prevent the use of fire extinguisher foam in fire fighting or the use of emulsifi in emergency situations to reduce hazardous vapors in confined areas under the direction of Environmental Control or Plant Security.

2. Reporting Procedure for Major Spills under this Plan

2.1 When a serious spill has occurred during the day shift and the possibility of, or actual temporary water pollution exists, immediate notification shall be made to the Department Chief of Environmental Control (84520), Mr. J. G. Ambers, Ext. 3933. If he is not available, contact one of the following alternates, in the order listed below:

Mr. M. Koosman - 84520 (X2161) Water Pollution Engineer
Mr. G. D. Ware - 84520 (X3188) Industrial Hygiene Engineer
Mr. G. C. Tranchetti - 84520 (X4304) Safety Engineer

2.11 The Department Chief of Environmental Control (84520) or his alternates shall immediately contact the following supervisors to apprise them of the spill:

Mr. L. T. ~~Newill~~, Engineering Manager - 84000 Ext. 2002
Mr. D. ~~R. Kinley~~, Engineering Assistant Manager - 84500 Ext.
Mr. E. ~~J.~~ Gill, Plant Construction and Maintenance and Plant Security Assistant Manager - 32500 Ext. 2319

2.12 The Engineering Manager of Environmental Control or his deleg shall immediately determine the nature and extent of the spil establish decontamination procedures where possible, and notify one of the following Federal officials immediately by telephone in the following sequence:

(a) Duty Officer (Call first)
U.S. Coast Guard
Governors Island
New York, New York 10004
212 (7) - 264-4800

(b) Oil and Hazardous Material Section (Call if Coast Guar not accessible)
Environmental Protection Agency,
Region 2 Office
Edison, New Jersey 08817
201 (9) - 548-8730

2.13 When a major spill occurs at other times the Night Administra (Mr. A. A. Bielicki - 20120, X-2167) and Plant Security shall notified. The Night Administrator shall contact the Departme Chief of Environmental Control or his alternates at home and obtain instructions on decontamination procedures. The Night Administrator shall notify one of the Federal official listed in par. 2.12. He shall also notify, or take appropriate acti to notify as soon as possible each of the names listed in par. 2.11.

3. Reporting Procedure for all other Spills

3.1 No notification of Federal officials shall be required. However, prompt notification shall be given to the Department Chief of Environmental Control or his alternate who shall determine the corrective action required. (See personnel listed in par. 2.1.)

4. Company Headquarters Notifications

4.1 For an incident which resulted in temporary pollution of surrounding waterways and for which notification of Federal officials per par. 2.1 has been done, the Engineering Manager responsible for environmental control shall also notify the following by telephone:

Mr. J. P. McGowan, Manager, PD&C, X8-222-3563
If not available, the telephone notification shall be directed to:

Mr. T. L. Carroll, Assistant Manager, PD&C, X8-222-6551
or
Mr. W. H. Cooper, Attorney, Legal Department, X8-222-6460

4.2 The telephone notification shall be confirmed by a TWX with copies to all the individuals listed in par. 4.1 plus Mr. D. R. Chittick, Director of Environmental Control, ERC, Princeton. The TWX should include the following information:

a. Location, date and time of incident.

b. Brief description of the incident, i.e., oil spillage, acid spillage, etc.

c. Possible hazards or danger resulting from the incident; for example, river polluted.

d. Date, time, agency and individual(s) that the incident was reported to, i.e., Coast Guard, Environmental Protection Agency, State Department of Environmental Protection, etc.

e. Action being taken by the Kearny Works.

4.3 It is to the Company's advantage to maintain good working relations between Kearny personnel responsible for water pollution and State of New Jersey or Town of Kearny regulatory authorities. Such interaction should continue and need not be communicated to Plant Design and Construction or the Director of Environmental Control unle

a. We are charged with violating a regulation.

b. We have a reportable incident as described above.

c. A situation has occurred which appears to have a significant impact upon the Company in the environmental area.

d. We make any formal communication to Federal environmental personnel. (i.e. send copies of such formal correspondence to P.D.&C. and the Director of Environmental Control.)

5. Corrective Actions

This instruction is intended for administrative purposes rather than technical, but the general decontamination procedure consists of safe and reasonable efforts to retain, collect, neutralize and remove the spilled material using barriers, pumps, absorbants, buffer chemicals and transport equipment. Consideration must be given to the immediate fire and toxic hazards to the personnel involved in the clean-up.

6. Prevention

6.1 All exterior free standing (above grade) storage tanks larger than 500 gallons shall be protected by pavement and curbing of sufficient area and height to retain the contents of the tank. Large tanks (over 2,000 gallons) shall be protected by a retaining dike whose capacity shall be sufficient to retain the contents of the storage tank (or tanks) within. In the case of large vertical cylinder tanks, the dike exterior capacity is normally one-half the capacity of the vessel protected, the other half remaining inside. Where a roof is not provided, rainwater only shall be drained by manually opening a valve in the curbing or dike.

6.2 When fuel oil is pumped from the barge to the Powerhouse storage tank, the valve at the bulkhead shall be manned at all times. When the pumping is completed, the valve shall be closed and locked, the supplier's hose disconnected and the filler pipe blanked off. Tailings or drippings shall be collected in a bucket and not permitt to drop into the water. The barge is equipped with flotation barrie for use in the event of a spill due to hose or equipment failure. If carelessness or actual spilling is observed, it should be reporte promptly to the Department Chief of Environmental Control (8/520) for appropriate action.

6.3 No chemicals and no oils or other organic material may be poured or allowed to escape into storm water drains at any time.

6.4 No oils or organic materials may be poured into or allowed to escape into sanitary drains at any time.

6.5 Chemicals from plating and metal finishing operations will be permitted only into those drains specially designated for the purpose by Environmental Control. This will normally proceed via suitable water treatment facilities.

6.6 All other liquid waste shall be removed from the premises by the contract scavenger's truck or incinerated by approved methods.

Western Electric
Kearny Works

CI 76.301 - KY
LAD 1
May 12, 1977
Replaces issue dated 11/13/

CONTINGENCY PLAN FOR OIL AND CHEMICAL SPILLS

1. GENERAL

1.1 Objective - The Federal and State Governments have decreed that there shall no discharge of oil or other hazardous materials into the waters of the stat or onto lands from which it might flow or drain into these waters.

1.2 This instruction has been prepared to respond to any such discharge into the river, storm sewer, sanitary sewer or anywhere on our property.

1.3 "Hazardous Substances" include:

(a) Petroleum and petroleum products

(b) All pesticides designated as "prohibited," "restricted," or "specially restricted" pursuant to New Jersey Pesticide Control Act of 1971 (N.J.S.A. 13:1F-1 et seq.) at N.J.A.C. 7:30-1.5 thru 1.7, on file in the Environmental Contr Department 14KY184520.

(c) Substances identified as hazardous by the Federal Environmental Protection Agency at 40 FR 59961, December 30, 1975, proposed pursuant to Section 311 (2) (A) of the Federal Water Pollution Control Act Amendments of 1972, 33 USC 1251 et seq., on file in the Environmental Control Department 14KY184520.

1.4 Interpretation of what action to take:

(a) Any single major spill and accidental discharge of oil or chemical large enough to be noticed shall be subject to the governmental reporting and corrective features of this contingency plan. (See par. 2 below).

(b) Intentional or careless discharges of oil or untreated chemicals to the stc water system or sanitary sewer in less obvious amounts either occasionally repetitively are prohibited and when observed shall be reported to the Department Chief of Environmental Control who shall determine the course of action. (See par. below).

(c) All other lesser spills which cannot be cleaned up promptly without some mi discharge shall be reported as soon as possible to the Department Chief of Environmental Control who shall determine the course of action. (See par. 4 below)

(d) The addition by operating or maintenance personnel of dispersants or emulsi to oil or organic chemicals to circumvent this instruction is prohobited. does not prevent the use of fire extinguisher foam in fire fighting or the use of emulsifiers in emergency situations to reduce hazardous vapors in confined areas un the direction of Environmental Control or Plant Security.

853860121

X

2. REPORTING PROCEDURE FOR MAJOR SPILLS UNDER THIS PLAN

2.1 When a serious spill has occurred during the day shift and the possibility of, or actual temporary water pollution exists, immediate notification shall be made to the Department Chief of Environmental Control (14KY184520), Ext. 3933. If he is not available, contact one of the following alternates, in the order listed below:

Water Pollution Engineer	- 14KY184520 (Ext. 2161)
Industrial Hygiene Engineer	- 14KY184520 (Ext. 3188)
Safety Engineer	- 14KY184520 (Ext. 4304)

2.11 The Department Chief of Environmental Control (14KY184520) or his alternate shall immediately contact the following supervisors to apprise them of the spill:

Engineering Manager	- 14KY184000 (Ext. 2021)
Assistant Manager, Engineering	- 14KY184500 (Ext. 4170)
Plant Construction & Maintenance Plant Security Assistant Manager	- 14KY122700 (Ext. 4261)

2.12 The Engineering Manager of Environmental Control or his delegate shall immediately determine the nature and extent of the spill, establish decontamination procedures where possible. When our facilities are not capable of removing the spillage, assistant shall be obtained from:

Metropolitan Petroleum Petrochemicals Inc.
25 Cavan Point Road
Jersey City, N.J. 07305
Phone: (201) (9) 434-4451

2.121 Notify the following officials immediately by telephone:

(a) National Response Center
800-424-8802

(b) N.J. Department of Environmental Protection (N.J.D.E.P.)
During Business Hours - 609-292-5560
All Other Times - 509-292-7172
(If a call to the first number is not answered, then the second number should be called).

(c) U.S. Coast Guard
Captain of the Port, Polution Section
212-264-8753

2.13 When a major spill occurs at other times the Night Administrator (14KY124140, Ext. 2167) and Plant Security should be notified. The Night Administrator shall contact the Department Chief of Environmental Control or his alternates at home and obtain instructions on decontamination procedures. The Night Administrator shall notify the officials listed in par. 2.121. He shall also notify, or take appropriate action to notify as soon as possible each of the personnel listed in par. 2.11.

2.14 Confirmation of Notification Report - The Department Chief of Environmental Control shall send a written confirmation of the notification of discharge within ten working days after giving notice to the N.J.D.E.P. Confirmation shall include a description of the discharge incident, including the source, if known; a description of the measures taken to clean up and remove the discharge and any steps planned or taken to prevent a recurrence of the discharge incident. Confirmation letters shall be sent to:

Department of Environmental Protection
Division of Water Resources
P.O. Box 2809
Trenton, New Jersey 08625
ATTENTION: Discharge Confirmation

3. CORRECTIVE ACTIONS

Immediate action to be taken is to stop and contain the discharge with due consideration to the immediate fire and toxic hazards to personnel involved. The Department Chief or his alternate shall direct any further clean up or decontamination procedures. No chemicals shall be applied without prior approval of the N.J.D.E.P. or Federal On Scene Coordinator. Unauthorized use of chemicals shall be regarded as a prohibited discharge.

4. COMPANY HEADQUARTERS NOTIFICATIONS

4.1 For an incident which resulted in temporary pollution of surrounding waterways and for which notification of Federal officials per par. 2.121 has been done, the Engineering Manager responsible for environmental control shall also notify the following by telephone:

Manager, Corporate Engineering, Environmental Engineering, Ext. 8-222-4808

If not available, the telephone notification shall be directed to:

Assistant Manager, Environmental Engineering, Ext. 8-222-3280
or
Attorney, (Environmental Matters) Gen. Atty. Org., Ext. 8-222-2488

4.2 The telephone notification shall be confirmed by a TWX with copies to all the individuals listed in par. 4.1. The TWX should include the following inform:

(a) Location, date and time of incident.

(b) Brief description of the incident, i.e., oil spillage, acid spillage, etc.

(c) Possible hazards or danger resulting from the incident, for example, river polluted.

(d) Date, time, agency and individual(s) that the incident was reported to, i.e Coast Guard, Environmental Protection Agency, State Department of Environmental Protection, etc.

(e) Action being taken by the Kearny Works.

4.3 It is to the Company's advantage to maintain good working relations between Kearny personnel responsible for water pollution and State of New Jersey or Town of Kearny regulatory authorities. Such interaction should continue and need not be communicated to Corporate Engineering Control unless:

(a) We are charged with violating a regulation.

(b) We have a reportable incident as described above.

(c) A situation has occurred which appears to have a significant impact upon the Company in the environmental area.

(d) We make any formal communication to Federal environmental personnel. (i.e., send copies of such formal correspondence to Corporate Engineering.

5. PREVENTION

5.1 When fuel oil is pumped from the barge to the Powerhouse storage tank, the valve at the bulkhead shall be manned at all times. When the pumping is completed, the valve shall be closed and locked, the supplier's hose disconnected and the filler pipe blanked off. Tailings or drippings shall be collected and not permitted to drop into the water. The barge is equipped with flotation barriers for use in the event of a spill due to hose or equipment failure. If carelessness or actual spilling is observed, it should be reported promptly to the Department Chief of Environmental Control (14KY184520) for appropriate action. See App A.

5.2 No chemicals and no oils or other organic material may be poured or allowed to escape into storm water drains at any time.

5.3 No oils or organic materials may be poured into or allowed to escape into sanitary drains at any time.

5.4 Chemicals from plating and metal finishing operations will be permitted only into those drains specially designated for the purpose by Environmental Control. This will normally proceed via suitable water treatment facilities.

5.5 All other liquid waste shall be removed from the premises by the contract scavenger's truck or incinerated by approved methods.

KEARNY WORKS

Reason For Reissue:
Revised throughout

X
03270:GEP

Western Electric
Kearny Works

CI 76.301 - KY
LAD 1
App A
May 12, 1977

SPILL CONTROL AND COUNTERMEASURE PLAN

Western Electric Company, Kearny, New Jersey

This plan is prepared in accordance with Environmental Protection Agency rules and regulations, Chapter I, Subchapter D, Part 112 for a facility located on the east side of the Passaic River about one-half mile north of Newark Bay. It is used sole to receive and store oil for use in generating steam in the adjacent powerhouse.

1. DESCRIPTION OF FACILITY - OIL TANK

1.1 The storage facility is a welded steel oil tank of 20,000 barrels nominal capacity, located about 480 feet from the river bulkhead. The tank is 60 fee in diameter and 40 feet high, supported two feet above grade on a piled concrete foundation. A steel dike 100 feet in diameter and 16 feet high is supported on a concrete foundation extending a minimum of three feet below grade. The only two openings through the dike and foundation are closed respectively by a bolted flange and an Eddy shear gate, bolted closed.

2. PIPING

2.1 All piping associated with the tank, except foamite, is carried in a concrete trough with removable covers flush with grade to the powerhouse basement wher pumps, heaters and associated equipment are installed. Surface water entering the trough runs into the basement, where it is readily observed by personnel in the are and any oil leakage would be equally visible. The oil fill line continues through the powerhouse basement, a tunnel connecting to the former coal and ash handling building, the basement of that building and a short concrete trough under the road to a valved termination at the river bulkhead. The latter portion of the run is no frequented by personnel, but as the fill line is blown out or pumped out after each oil receival and valves at both ends closed, leakage could occur only during receiv of oil.

2.2 Deliveries of oil are received by barge. A connection, with a pump, for unlo tank cars exists in the coal and ash building, but it has never been used and there are no plans to use it. It is not equipped with a facility tank car and tank truck loading/unloading rack, the regulations covering this type of installation are not applicable.

3. PREVIOUS SPILLS

3.1 This facility has been in operation since 1962 and no oil spill has ever occu

853860125

X

4. POTENTIAL FOR MECHANICAL FAILURE

4.1 This potential is judged to be extremely low. Tank overflow is prevented both by comparison of metered flow into the tank with previously calculated empty capacity available and by stationing a man on top of the tank during oil receivals to monitor the level. In event of tank leakage or rupture the discharge would be contained within the dike until pumped out. With no portion of the dike as close as 400 feet to the river bulkhead or 100 feet to a storm water surface drain the possibility of oil reaching navigable water is considered to be remote.

5. CONTAINMENT STRUCTURES

5.1 Onshore Facilities - The dike referred to above would serve to contain oil spilled from the storage tank. Leakage from pipes and other equipment would be contained within the concrete troughs and basement.

5.2 Offshore Facilities - A spill into the water during oil receivals would be handled by the commercial barge transporting the oil, which must carry equipment and employ procedures in accordance with applicable Coast Guard Regulations. Minor spills at the bulkhead connection would be caught in a small discharge container installed in accordance with Coast Guard requirements.

6. ACTION IN EVENT OF A SPILL

6.1 General instructions have been prepared for action to be taken in the event of any observable spill or discharge of oil or chemicals which cannot be cleaned up promptly and which might directly or indirectly result in pollution of the Passaic River.

6.2 If such spill or leakage should occur, notification shall immediately be made, if during the day shift, to the Department Chief of Environmental Control if available, or to his alternates in the following order:

Department Chief, Environmental Control	Ext. 3933
Water Pollution Engineer	Ext. 2161 or 2306
Industrial Hygiene Engineer	Ext. 3188
Safety Engineer	Ext. 4304

6.3 Notification at other times shall be to:

Night Shift Coordinator	Ext. 2167
Plant Security	Ext. 2222 or 2223

6.4 If it appears that available personnel and equipment are inadequate to contain and remove an oil spill, the following shall be notified that a spill has occurred and assistance is required:

Metropolitan Petroleum Petrochemicals Co., Inc.
25 Caven Point Road
Jersey City, N.J. 07305
(201) (9) 434-4451

X

6.5 If the spill is major, the Department Chief of Environmental Control or his delegate will notify the following supervisor:

Manager, Manufacturing Engineering	Ext. 2021
Assistant Manager, Works Service	Ext. 4261
Assistant Manager, Plant Engineering	Ext. 4170

6.6 The Engineering Manager or his delegate will investigate the spill, establish decontamination procedures where possible and notify immediately one of the following Federal officials by telephone in the sequence listed:

(a) National Response Center
800-424-8802

(b) N.J.D.E.P. Trenton
Business Hours: 609-292-5560
All Other Times: 609-292-7172

(c) U.S. Coast Guard
Captain of the Port, Pollution Section
212-264-8753

6.7 If a major spill occurs at a time other than during the day shift, the Night Administrator will notify the Department Chief of Environmental Control or his alternates at home and obtain decontamination instructions. He shall also notify the officials and the supervisors listed above. Provisions are also included for notifying company headquarters officials of occurrence and description of spills at any time.

6.8 Corrective actions to be employed may include retention, collection, neutralization and removal of spilled material using barriers, pumps, absorbants, buffer chemicals and transport equipment as found appropriate, in accordance with N.J.D.E.P. and Coast Guard regulations. No chemicals are to be added without their prior approval.

KEARNY WORKS

X
03270:GEP

MEMORANDUM FOR RECORD

Re: RCRA and PCB Inspection at the Kearny Works

On October 27, 1981, Terry Hunter and I visited the Kearny Works for the purpose of conducting a RCRA and PCB plant compliance survey. Chris Tranchetti and Angelo Basile hosted the RCRA tour of the plant and Bruce Rapp conducted the PCB portion.

RCRA Compliance Survey

We used the RCRA checklist and reviewed each item in turn as follows:

1. Manifest - Kearny sends the bulk of their hazardous waste
   1. Manifests
   the N.J.
   part document
   tory in this
   es for unsigned
   waste shipment.

2. Containers - The shipping containers and drums we saw were in good condition with proper DOT labels and the EPA hazardous label (photostat attached) filled out and attached to every drum of waste. We saw no placards as there were no trucks evident.

3. Written Inspection Plans for Storage Area - They do not have any.

4. Contingency Plans - They are using the coordinators indicated in the NJ spill control plan, and are just finishing drafting the plan (copy attached).

5. Personnel Records, Job Description and Training - A training program has been prepared and implemented for two people for the receival, handling, storage, and disposal of hazardous waste. (copy attached)

6. Additional Records - 1) Exception reports; are applicable when manifests are not returned by disposer, Kearny keeps records and uses 35 days as time limit before following up. 2) Test results on wastes - routine tests are performed on all wastes by an outside laboratory. 3) Descriptions and reports of incidents resulting from hazardous waste management. - None to date.

NOV 6 1981

7. Storage Facilities

A. RCRA Permit or "Interim Status" - Kearny has filed for "Interim Status" as a storage facility.

B. Storage Area - The storage area, (Pad) 135' x 85' is open to the weather and fenced in with an 8' chain link fence. The area is diked with a concrete curb which varies from 6" to 18" depending upon the ground slope. The area has a large warning sign on the fence identifying the enclosure as a storage area. There are no fire extinguishers as yet in the storage area but they have been ordered. The storage area is 75 feet from the plant security police and fire control stations.

C. Spill Collection System - Their spill control plan consists of covering potential spills with "speedi-dri" and calling their scavenger in for clean up.

D. Drainage - The storage area has a large drainage pit in the approximate center. The pit is equipped with a manual valve and the drain leads to the river. The storage area can be drained within four hours after a heavy rain with this system. RCRA requires that drums stand in rainwater no more than one hour after a rain. Kearny has the drums stored on pallets and therefore meets this one hour requirement.

E. Closure Plan - Copy attached

In conclusion, we feel that the Kearny Works satisfactorily meets the RCRA requirements for a generator and storer of hazardous waste. We also feel there is weakness in several areas as follows:

1. The collection system for spills could allow hazardous waste into the storm drain.

2. The storage area should really be roofed over to keep rainwater etc. off the drums and out of the area.

3. The drain system and valve could be a problem in freezing weather.

4. Asphalt pad is cracked and should be impervious.

PCB Inspection

Kearny has 13 PCB transformers on site using "pyranol" and "abestol" as the dielectric fluid. Of these transformers, seven are inside installations and the remaining six are outside, two of which are not functioning and considered storage tanks. They also have a drum storage area inside with a total of twelve 30 gallon drums containing virgin PCB liquid used for transformer make-up.

NOV 6 19[illegible]

We reviewed their annual PCB summary record and the transformer inspection record under the "Interim Measures Program". These records were satisfactory and up to date. Following this, we reviewed the PCB marking and storage requirements and looked at all transformers and the drum storage area. During this review, we found several items in these areas which were not in compliance with the PCB final rule (40 CFR Part 761).

These non compliance areas are as follows:

1. No label on the east unit transformer at the waste treatment plant.

2. The (2) transformers in outside storage at building 170 south are not diked.

3. The (2) transformers in outside storage at building 170 south do not have "adequate roof and walls to prevent rain water from reaching the stored PCB items."

4. The storage area in the basement of Building 32 is below the 100 year flood level.

5. The storage area is not adequately marked with mark "M[illegible]" which is the specified label. However, the area is identified as a PCB storage area with a non standard label.

6. The storage area is not diked.

7. The stored drums have no labels.

The non compliance items were reviewed with Bruce Rapp who informed his supervisor Mr. Chikowski. I was assured that these items would be correctec as soon as possible.

A. H. STAHELI
Senior Engineer

Atts.

rb

December 8, 1981

MEMORANDUM FOR RECORD

Re: Kearny Works' PCB Storage Area

On December 4, 1981, I visited the Kearny Works in order to confirm that corrective action was taken to place the Works' PCB storage area in compliance with 40CFR761. The new storage area which is located on the fifth floor of Building #25 is correctly labelled, has secondary containment (dikes) for all PCBs and PCB items, and satisfactorily complies with the PCB Ban Regulations for an Annex III storage facility.

T. A. Hunter
T. A. HUNTER

:mf

BUREAU OF HAZ DOUS WASTE
GENERATOR'S A .UAL REPORT
FOR YEAR OF 1981

1. GENERATOR'S NAME WESTERN ELECTRIC COMPANY 2. EPA ID NO. NJD002139053

3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032

4. TRANSPORTER _____ 5. EPA ID NO. NYD990762742

6. ADDRESS _____

7. FACILITY _____ 8. EPA ID NO. NYD002044196

9. ADDRESS _____

10. MANIFEST NO.	11. DESCRIPTION OF WASTE	12. DOT HAZ. CLASS	13. QUANTITY	14. UNITS	15. EPA WASTE TYPE	16. REJECTED
5848	Corrosive Liquid, NOS, Sodium Hydroxide	Corrosive Material	49300	Lbs.	F007	
5839	"	"	"	"	"	
5821	"	"	"	"	"	
5822	"	"	"	"	"	
5823	"	"	"	"	"	
5825	"	"	"	"	"	
5824	"	"	"	"	"	
5840	"	"	"	"	"	
5849	"	"	"	"	"	
5850	"	"	"	"	"	
5829	"	"	"	"	"	
5830	"	"	"	"	"	
5826	"	"	"	"	"	
5828	"	"	"	"	"	

17. PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FA[illegible].

853860132

BUREAU OF HAZAR US WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1981

ENERATOR'S NAME SAME AS PAGE 4 FOR ITEMS 1 TO 9 2.EPA ID NO. _____

DDRESS _____

RANSPORTER'S NAME _____ 5.EPA ID NO. _____

DDRESS _____

ACILITY'S NAME _____ 8.EPA ID NO. _____

DDRESS _____

ANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ.CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
827	Corrosive Liquid, NOS, Sodium Hydroxide	Corrosive Material	49300	Lbs.	F007	
15851	"	"	"	"	"	
15846	"	"	"	"	"	
15850	"	"	"	"	"	
15849	"	"	"	"	"	
15848	"	"	"	"	"	
15847	"	"	"	"	"	
853	"	"	"	"	"	
15852	"	"	"	"	"	
15854	"	"	"	"	"	
15858	"	"	"	"	"	
15856	"	"	"	"	"	
15863	"	"	"	"	"	
15860	"	"	"	"	"	

- PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860133

BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNU REPORT
FOR YEAR OF 1981

GENERATOR'S NAME SAME AS PAGE 4 FOR ITEMS 1 TO 9 2.EPA ID NO.

ADDRESS

TRANSPORTER'S NAME 5.EPA ID NO.

ADDRESS

FACILITY'S NAME 8.EPA ID NO.

ADDRESS

MANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ.CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECT
15855	Corrosive Liquid, NOS, Sodium Hydroxide	Corrosive ~~Materkal~~	49300	Lbs.	F007	
15859	"	"	"	"	"	
15866	"	"	"	"	"	
15864	"	"	"	"	"	
15865	"	"	"	"	"	
75133	"	"	"	"	"	
75136	"	"	"	"	"	
75135	"	"	"	"	"	
75134	"	"	"	"	"	
75146	"	"	"	"	"	
75144	"	"	"	"	"	
75137	"	"	"	"	"	
75148	"	"	"	"	"	
75145	"	"	"	"	"	

PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860134

BUREAU OF HAZAR US WASTE
GENERATOR'S ANN..L REPORT
FOR YEAR OF 1981

GENERATOR'S NAME SAME AS PAGE 4 FOR ITEMS 1 TO 9. 2.EPA ID NO. _____

ADDRESS _____

TRANSPORTER'S NAME _____ 5.EPA ID NO. _____

ADDRESS _____

FACILITY'S NAME _____ 8.EPA ID NO. _____

ADDRESS _____

MANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ.CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECT
75143	Corrosive Liquid, NOS, Sodium Hydroxide	Corrosive Material	49300	Lbs.	F007	
75149	"	"	"	"	"	
75152	"	"	"	"	"	
75151	"	"	34000	"	"	
75153	"	"	34000	"	"	

PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860135

Corporate Engineering

Western Electric

222 Broadway
New York, N.Y. 10038
212 571-2345

JAN 5 1982

Re: Company Instruction 76.232, Polychlorinated Biphenyls

The Broadway Publication Center at 222 Broadway will distribute copies of this C.I. through normal channels. For your immediate use, we are enclosing an advance copy of this instruction.

If you have any questions, please contact Art Staheli on 8-222-3768.

J. G. AMBERS
Department Chief
Environmental Control
Engineering

Enc.

Letter to:
See Attached List

F. M. Goll	- Allentown
T. Trent	- Atlanta
M. A. Bronzert	- Baltimore
R. Shipekg	- Burlington Shops
C. W. Gerhard	- Columbus
R. J. Speights	- Dallas
J. B. Doerr	- Denver
E. J. Spurgiesz	- ERC
E. C. Thorne	- Guilford Center
L. R. Albrecht	- Hawthorne
R. H. Phillips	- Indianapolis
R. N. Hays	- Kansas City
J. T. Chikowski	- Kearny
A. J. Murabito	- Merrimack Valley
G. R. Best	- Montgomery
A. C. Lyman	- New River Valley
T. E. Hill	- North Carolina
E. F. Setmeyer	- Lisle, Ill.
C. M. Carolina	- Oklahoma City
R. A. Veach	- Omaha
C. C. Van Etten	- Phoenix
E. P. Hjorth	- PPE, Springfield
J. A. Neel	- Reading
R. A. Robertson	- Richmond
J. P. Carpenter	- Rolling Meadows - Installation
J. A. Hudak	- Shreveport
F. V. McGeehan	- Southwestern Region
E. B. Mitchell	- Southern Region
G. E. Harris	- Pacific Region
R. M. Dollard	- Northeastern Region
J. Locke	- Mtn. Northwest Region
F. J. Grande	- Eastern Region
B. Schlipf	- Central Region

Copy to:

H. S. Moss	- Nassau Recycle, Gaston
J. R. Durante	- " , Staten Island
G. M. Rancich	- Teletype, Skokie
J. B. Bonner	- " , Little Rock
L. J. Kaitz	- 222 Broadway
R. C. Allen	- AT&T, Basking Ridge
P. Wyszkowski	- BTL, Murray Hill

Western Electric
Corporate Engineering

CI 76.232
December 15, 1981
New Instruction

POLYCHLORINATED BIPHENYLS (PCB'S) MANUFACTURING, PROCESSING DISTRIBUTION AND USE - PROHIBITIONS

CONTENTS

1. GENERAL

1.1 The purpose of this instruction is to define the requirements of the PCB manufacturing, processing and distribution rule (40 CFR Part 761) which became effective on July 1, 1979.

1.2 This rule which was promulgated under the Toxic Substances Control Act (TSCA), is designed to protect the environment from further contamination by PCB's due to their improper handling, use and disposal.

1.3 The rule allows the continued use of PCB's in totally enclosed systems such as transformers and capacitors. A slow phasing out, such as allowed by this regulation is felt by the Environmental Protection Agency (EPA) to be the best way to control further contamination of the environment. Specifically the main points of this rule are:

1.31 It prohibits all manufacturing of PCB's after July 2, 1979 unless exempted by EPA.

1.32 It prohibits the processing, distribution in commerce and use of PCB's except in a totally enclosed manner after July 2, 1979 unless specifically exempted by EPA.

1.33 It authorizes certain processing, distribution in commerce and use of PCB's in a non-totally enclosed manner (which would otherwise be subject to par. 1.32 above).

1.4 PCB's are potentially harmful because once released into the environment they do not biodegrade. In addition, PCB's tend to accumulate in the tissues of living organisms. This means as PCB's move up in the food chain towards man their concentrations increase. Test results have shown that PCB's cause reproductive failures, gastric disorders, skin lesions and tumors in laboratory animals.

1.5 This rule, 40 CRF Part 761, supercedes the "Disposal and Marking" regulation of February 17, 1978 and the August 2, 1978 Technical Amendments.

1.6 This instruction is to be used as a guide when preparing local instructions related to the disposal of hazardous wastes. Locations should modify this instruction to incorporate state or local requirements and assign functional responsibilities where necessary.

1.7 Related Instructions

CI 77.305 - Dept. of Transportation Regulations For Hazardous Materials and Wastes

CI 76.231 - Management of Hazardous Wastes

CI 15.500 - Hazardous Materials Data Bank Procedures

2. DEFINITIONS

2.01 PCB - A chemical substance limited to the biphenyl molecule which has been chlorinated to varying degrees.

2.02 PCB Container - Any can, barrel or drum that contains and whose surfaces are in direct contact with PCB's.

2.03 PCB Article - A manufactured article, not a container, whose surfaces are in direct contact with PCB's. Transformers, capacitors are examples.

2.04 PCB Article Container - Any can, barrel or drum used to contain PCB articles whose surfaces are not in contact with PCB's.

2.05 PCB Equipment - Any manufactured item which contains a PCB article. Frames, cabinets containing PCB capacitors are examples of this.

2.06 PCB Item - Any PCB article, PCB article container, PCB equipment or PCB container.

2.07 PCB Transformer - Any transformer that contains 500 or more PPM of PCB's.

2.08 PCB Contaminated Transformer - Any transformer that contains 50 PPM or more but less than 500 PPM of PCB's.

2.09 Annex I Incinerator - An EPA approved incinerator for PCB destruction per Section 761.40(a).

2.10 Annex II Landfill - An EPA approved chemical waste landfill for PCB's per Section 761.40(b).

2.11 Annex III Storage Facility - An EPA approved PCB storage area for PCB's per Section 761.42.

2.12 Large High Voltage Capacitor - One that operates at 2,000 Volts A.C. or above and contains 3 lbs. or more of PCB's.

2.13 Large Low Voltage Capacitor - One that operates at less than 2,000 Volts A.C. and contains 3 lbs. or more of PCB's.

3. DISPOSAL REQUIREMENTS FOR PCB'S

3.1 Following are the types of PCB's and PCB items and their specified disposal methods:

Type of PCB and/or PCB Items	Disposal Method
3.101 Liquid PCB Mixtures (over 500 PPM)	- Incinerate in an Annex I Incinerator.
3.102 Liquid PCB Mixtures (50-500 PPM)	- Incinerate in an Annex I Incinerator. Or - Incinerate in a high efficiency boiler (per 761.10). Or - Landfill in an Annex II landfill.
3.103 Liquid PCB Mixtures (under 50 PPM)	- Municpal Trash: except this material may not be used for dust control or road oiling.
3.104 PCB Containers (over 500 PPM PCB's)	- Container and contents incinerated in an Annex I Incinerator. Or

Type of PCB and/or PCB Item	Disposal Method
	- Drained Container disposed of in an Annex II landfill and liquid incinerated in an Annex I Incinerator.
3.105 PCB Container (50-500 PPM PCB's)	- Drained container disposed of in municipal trash, liquids per paragraph 3.102 above.
3.106 PCB Transformers (over 500 PPM)	- Transformer disposed of in an Annex II landfill after first draining PCB's, filling with solvent and letting stand 18 hours and draining again. Then, dispose of PCB's and solvent in an Annex I Incinerator.
3.107 PCB Contaminated Transformer (50-500 PPM)	- Drain transformer and dispose of PCB contaminated liquid as per paragraph 3.102 above. No TSCA regulations on disposal of drained transformer.
3.108 PCB Small Capacitors (under 3 lbs.)	- Municipal Solid Waste. Where there are accumulations of small capacitors in excess of 200, then disposal should be in an Annex II landfill.
3.109 PCB Large Capacitors (over 3 lbs.)	- Incineration in an Annex I Incinerator.
3.110 Fluorescent Light Ballasts	- Municipal Solid Waste.
3.111 Non Liquid PCB's (Contaminated Soil, Rags, etc.)	- Disposal in an Annex II landfill. Or - Incineration in an Annex I Incinerator.

3.2 Locations of the eight (8) Annex II Landfills

	EPA Region	Site Location	Company
3.21	II	New York	Cecos International P.O. Box 619 Niagara Falls, N.Y. 14302 (716) 731-3281

	EPA Region	Site Location	Company
3.22	II	New York	SCA Chemical Service Inc. 1550 Balmar Road Model City, N.Y. 14107 (716) 754-8231
3.23	IV	Alabama	Waste Management of Alabama P.O. Box 55 Route 17 Mile Post 163 Emelle, Alabama 35470 (800) 241-7829
3.24	V	Ohio	Cecos International 50982 Aber Road Williamsburg, Ohio 45176 (513) 724-6114
3.25	X	Idaho	ENVIRO Safe Services of Idaho Inc. P.O. Box 936 Mountain Home, Idaho 83301 (208) 834-2275
3.26	IX	Nevada	U.S. Ecology Inc. 9200 Shelbyville Road P.O. Box 7246 Louisville, Kentucky 40207 (502) 426-7160
3.27	X	Oregon	Chem-Security Systems Inc. P.O. Box 1269 Portland, Oregon 97207 (503) 223-1912
3.28	IX	California	Casmalia Disposal 539 Ysidro Road P.O. Box 5275 (805) 969-5897

3.3 Location of the two (2) EPA approved Annex I Incinerators:

	EPA Region	Site Location	Company
3.31	VI	Arkansas	Ensco Inc. American Oil Road Eldorado, Arkansas (501) 863-7178

	EPA Region	Site Location	Company
3.22	VI	Texas	Rollins Environmental Services P.O. Box 609 Deer Park, Texas 77536 (713) 479-6001

4. STORAGE OF PCB'S FOR DISPOSAL

4.01 Any PCB article or PCB container stored for disposal before January 1, 1983 shall be disposed of before January 1, 1984.

4.02 Any PCB article or PCB container stored for disposal after January 1, 1983 shall be disposed of within 1 year of the initial storage date.

4.03 Storage facilities for PCB articles and PCB containers shall be provided with the following:

4.031 Adequate roof and walls to prevent rainwater from reaching the stored PCB's.

4.032 Smooth Portland cement or steel floor, free of drains, expansion joints, cracks, gaps or other openings.

4.033 Continuous curbing at least 6" high with containment volume of twice the largest stored container or 25% of the total stored items - whichever is greater.

4.034 A location above the 100 year flood water elevation.

4.04 The following PCB items may be stored temporarily in an area which does not comply with paragraph 4.03 above for up to thirty (30) days from the date of removal from service , provided that date is marked on the container.

4.041 Non-leaking PCB articles and equipment

4.042 Leaking PCB articles and PCB equipment which are placed in a PCB container with sufficient sorbent materials to contain the remaining PCB's in the leaking PCB items.

4.043 PCB containers containing non-liquid PCB's such as contaminated rags and soil.

4.044 PCB containers containing liquid PCB's in the 50-500 PPM range providing a spill prevention plan has been prepared for the temporary storage area in accordance with 40 CFR 112. Container must carry the notation that concentration does not exceed 500 PPM.

4.05 Non-leaking large high voltage capacitors and PCB contaminated transformers may be stored adjacent to a PCB storage facility on pallets until January 1, 1983.

4.06 Any item of movable equipment used to handle PCB's and which has been in direct contact with PCB's shall not be removed from the storage area without first being properly decontaminated.

4.07 All PCB articles and PCB containers in storage shall be checked every 30 days. Any leaking articles or containers shall be transferred to non-leaking containers, and contaminated residues from cleanup should be disposed of in accordance with paragraph 3.111.

4.08 The container specification defines five types of metal containers adequate for storing PCB's. These containers range in size from one gallon containers to railroad tank cars. Except as provided in paragraph 4.09 below, any container used for the storage of liquid PCB's shall comply with the DOT specification 49 CFR 178.80 (Spec 5), 178.82 (Spec 5B), 178.102 (Spec 6D or 178.116 (Spec 17E). Containers used for non-liquid PCB storage shall comply with 178.80 (Spec 5 Container), 178.82 (Spec 5B Container) or 178.115 (Spec 17C Container).

4.09 Storage containers for liquid can be larger than the containers specified in paragraph 4.08 above, provided they are designed and constructed in compliance with OSHA standard 29 CFR 1910.106.

4.10 When storing PCB's for disposal, separate facilities need not always be constructed, all that is required to meet the intent of the regulation is the following:

4.101 A small area inside a building serves the purpose of "adequate roof and walls."

4.102 A smooth floor free of drains, cracks or openings serves the purpose of poured "Portland Cement Floor." This area should then be diked as required.

4.103 A metal pan with raised edges serves as a "dike."

4.104 A large drum or several drums could serve as a "diked area" if the stored PCB's and PCB items are placed in small containers inside the larger drums.

5. DECONTAMINATION

5.1 A PCB container to be decontaminated shall have the internal surfaces rinsed three times with a solvent containing less than 50 PPM of PCB's. Each rinse shall use a volume of solvent equal to 10% of the containers capacity. The solvent can be reused until it exceeds 50 PPM of PCB's, at which point it shall be disposed of by incineration in an Annex I Incinerator.

5.2 Movable equipment used in storage areas shall be decontaminated by swabbing with a solvent described in paragraph 5.1 above.

6. MARKING

6.1 The following formats shall be used for PCB marking requirements:

CAUTION

CONTAINS

PCBs

(Polychlorinated Biphenyls)

A toxic environmental contaminant requiring special handling and disposal in accordance with U.S. Environmental Protection Agency Regulations 40 CFR 761—For Disposal Information contact the nearest U.S. E.P.A. Office.

In case of accident or spill, call toll free the U.S. Coast Guard National Response Center: 800:424-8802

Also Contact

—Tel. No. _____

FIGURE 1

CAUTION CONTAINS **PCBs**

(Polychlorinated Biphenyls)

FOR PROPER DISPOSAL INFORMATION CONTACT U.S. ENVIRONMENTAL PROTECTION AGENCY

FIGURE 2

6.2 When marking large PCB articles, containers or equipment, the large mark (Fig. 1) shall be used. The size shall be square, at least 6" on each side down to a minimum of 2" on a side for smaller size equipment.

6.3 When marking smaller PCB articles and equipment, the smaller mark (Fig. 2) shall be used. The size shall be a rectangle 1" x 2". If the item to be marked is very small then the mark can be reduced to a minimum of .4" x .8".

6.4 Ordering Information

6.41 Labels may be purchased from:

Label Master
7525 N. Wolcott Avenue
Chicago, Illinois 60626
Phone: (312) 973-5100 or locally

6.5 The following PCB containing items shall be marked with one of the labels shown in Figures 1 and 2.

6.501 All PCB transformers (marking of PCB contaminated transformers is not required).

6.502 All large high voltage PCB capacitors.

6.503 Where structures such as poles, fences, etc. are supporting and protecting large high voltage PCB capacitors then, these structures shall be marked instead, and a record of the capacitors inside the structure shall be maintained at the location.

6.504 All transport vehicles with 99 lbs. of liquid PCB's or with one or more PCB transformers.

6.505 Electric motors with PCB coolant.

6.506 Hydraulic machinery using PCB hydraulic fluid.

6.507 PCB containers.

6.508 PCB articles and equipment.

6.509 Storage areas for PCB's.

6.510 Large low voltage capacitors shall be marked at the time of removal from use.

7. MONITORING AND RECORDKEEPING

7.1 Beginning July 2, 1978, each location containing 99 lbs. of PCB chemical substances and mixtures or one or more PCB transformers or 50 large PCB capacitors shall develop and maintain records on the disposition of the PCB's. A document shall be prepared by July 1 of each year, covering the previous calendar year. These records shall be maintained for five years after PCB's are no longer used at the facility. The records shall be kept in accordance with the following:

7.11 The dates when PCB's are removed from service, are placed into storage for disposal, are placed into transport for disposal. Quantities shall be reported as follows:

7.111 Total weight in kilograms of PCB's and PCB items in containers with the identification of each containers contents.

7.112 Total number of PCB transformers and the total weight in kilograms of the PCB's contained in them.

7.113 Total number of PCB large high or low voltage capacitors.

7.12 For PCB's and PCB items removed from service, the location of the storage or disposal facility they went to including the name of the owner or operator.

7.13 Total quantities of PCB's and PCB items remaining in service at the end of the calendar year using the quantity shown in paragraphs 7.111 to 7.113 above.

7.2 Where a location has a storage facility (diked area for PCB storage) on site, a separate record for the facility shall be kept, showing the following:

7.21 The date when PCB's and PCB items were received for storage.

7.22 The date when PCB's and PCB items were removed from storage and either transferred to another storage area or disposed of, including identification of the disposal facility.

7.23 A summary of the total kilograms of PCB's and PCB articles in containers and the total kilograms of PCB's in transformers that were:

7.231 Received during the year.

7.232 Transferred or disposed of during the year.

7.233 Retained in storage at the year's end, including identification of each containers contents.

7.3 When PCB's are no longer stored on site, the EPA Regional Administrator for the Region your plant is located in must be notified within 60 days of your closing the storage facility. In addition, the records described herein must be kept on site for five (5) years after the storage facility is closed.

8. TRANSFORMERS

8.1 There are three (3) categories of transformers and as such are subject to different storage disposal and rebuilding requirements. These categories are:

8.11 Non-PCB transformers (less than 50 PPM). There are no servicing or rebuilding restrictions. The only disposal restriction, is that if the fluid has any detectable PCB's it cannot be used as a sealant or dust control agent on roads. No transformer may be classified as a non-PCB transformer, unless its fluid has been tested and found to contain less than 50 PPM. Certification must be provided.

8.12 PCB contaminated transformers (50-500 PPM). The only restriction on servicing or rebuilding is that it be done by the transformer owner, operator or a person with an exemption to the ban regulations. Disposal restrictions are that the PCB contaminated fluid must be disposed of in an Annex I Incinerator or in an Annex II landfill or high efficiency boiler. There are no restrictions on disposal or recycling of the transformer casing or coil.

8.13 PCB transformer (above 500 PPM). PCB transformers cannot be rebuilt. If the defect requires removal of the coil from the casing, then the transformer must be replaced by a non-PCB type. Leaks and other minor repairs, not requiring removal of the coil may be performed. PCB fluid can only be disposed of in an Annex I Incinerator. After rinsing with solvent, the transformer can be disposed of in an Annex II landfill.

8.2 To convert from a PCB contaminated transformer to a non-PCB transformer or from a PCB transformer to a PCB contaminated transformer, it must be drained and refilled with a non-PCB dielectric. After 3 months operation, it must be tested before being reclassified. After reclassification, it may be rebuilt.

8.3 A transformer must be classified as a PCB transformer if any of the following exist:

8.31 A nameplate indicates the transformer contains PCB dielectric fluid.

8.32 The dielectric was tested and found to contain 500 PPM or more of PCB's.

8.33 The transformer has no nameplate or any other identification.

8.34 The owner has other reasons to believe the unit contains 500 PPM or more of PCB's.

8.4 A mineral oil transformer can never be assumed to be a non-PCB transformer unless its dielectric fluid has been tested by the owner, or certified by the manufacturer to contain less than 50 PPM PCB's. According to the EPA, each location as owner or operator has the option, at the time of disposal, of disposing of an untested mineral oil transformer as a PCB contaminated unit or testing it and disposing of it (if below 50 PPM) as a non-PCB unit. In actuality, most disposal facilities require that testing be done on any transformer fluid and that a copy of the laboratory results be furnished before the fluid will be accepted for disposal.

8.5 Sale or transfer of PCB transformers. A PCB transformer may be sold or transferred if it is not leaking and if it was acquired prior to July 1, 1979.

8.6 A PCB transformer which is not in service and is awaiting disposal, is considered a storage tank and must be put either into temporary storage (per par. 4.04) if disposal will be within 30 days, or into a specified storage facility (per par. 4.03) if disposal will be delayed past 30 days.

8.7 A PCB transformer which is not in service but is to be stored for other than permanent disposal is exempt from any storage requirements, provided it is not leaking.

9. INTERIM MEASURES PROGRAM FOR PCB TRANSFORMERS

9.1 The Interim Measures Program which must be complied with in order to continue using PCB transformers was enacted for the following reasons:

9.11 Section 6(e) of the Toxic Substances Control Act prohibits the use of PCB's ecept in a "totally, enclosed manner." The EPA in its regulations considers PCB transformers as "totally enclosed," thereby allowing their continued use. However, the U.S. Court of Appeals ruled that the EPA's definition is unsupported and they require the EPA to undertake a program of testing and rulemaking to be completed in late 1982. Therefore, in order to continue using PCB transformers, the owner or operators must institute the risk reducing activities of the Interim Measures Program.

9.2 The following procedures must be followed with respect to all PCB transformers in use or stored for reuse.

9.21 A visual inspection of each PCB transformer shall be performed every three (3) months.

9.22 All leaks shall be recorded. If a transformer is found to have a moderate leak, servicing is required and must commence two (2) business days from the date the leak is observed. Leaks are defined as:

9.221 Leak - PCB's on any portion of the transformer's external surface.

9.222 Moderate Leak - A leak which results in PCB's running off or about to run off any external surface.

9.23 Records, containing inspection and servicing history for all PCB transformers in use or stored for use shall be maintained for three (3) years and shall be available upon request by EPA. The records shall contain the following information on all PCB transformers:

9.231 Its location.

9.232 The date of each inspection and the name of the inspector.

9.233 List all leaks and moderate leaks and the date observed.

9.234 Describe all servicing performed on the transformer from the date of the first inspection and the date of subsequent servicing.

9.24 The Interim Measures Program went into effect on May 11, 1981 and the first inspection must have been completed by August 10, 1981.

10. HYDRAULIC SYSTEMS

10.1 PCB's may be used in hydraulic systems and may be processed and distributed in commerce for purposes of filtering, distilling or otherwise reducing the concentration until July 1, 1984 provided that:

10.11 Each hydraulic system used for metal forming operations such as die casting, or other systems that ever contained PCB's be tested no later than November 1, 1979 and annually after that until PCB concentrations are below 50 PPM.

10.12 If the original test shows the PCB concentration to be above 50 PPM, the system must be drained and filled with non-PCB hydraulic fluid. This must be done within six months of the original test and annually thereafter until concentrations are below 50 PPM.

10.13 Hydraulic systems may be topped off with non-PBC hydraulic fluid to reduce concentrations.

10.14 Addition of PCB's to any hydraulic system is prohibited.

10.15 Data from testing operations must be retained for five years after the hydraulic systems reach 50 PPM.

11. SPILLS

11.1 In the event of a spill, the following procedure should be followed:

11.11 Report the spill to your Regional EPA office which will in turn notify the Coast Guard if necessary. Also, please notify Assistant Manager, Energy and Environmental Engineering on CORNET 222-3502.

11.12 The spilled liquid should be cleaned up using rags and/or other absorbent material. Where possible, non-flammable solvents such as Freon TF, 1,1,1-Trichloroethane or high-flash mineral spirits should be used to rinse or scrub the surface. Where the spill is on soil, remove a sufficient quantity until you are confident the concentration will be below 50 PPM.

11.13 Any contaminated solvent and any liquid PCB's generated by clean up operations shall be stored in accordance with paragraph 4 of this instruction pending disposal by Annex I incineration.

11.14 Non-liquid PCB's such as rags, soil, rubber gloves and any other contaminated articles generated by cleanup operations shall be stored in accordance with paragraph 4 of this instruction pending disposal in an Annex II landfill.

12. PENALTIES FOR FAILURE TO COMPLY

12.1 Failures to comply with this regulation is a violation of Section 15 of the Toxic Substances Control Act.

12.2 Any violation of a provision of Section 15 carries a civil penalty of up to $25,000 per day for each violation and/or criminal penalty of up to one year imprisonment.

ISSUED BY
MANAGER OF ENVIRONMENTAL ENGINEERING

December 8, 1981

MEMORANDUM FOR RECORD

Re: Kearny Works' PCB Storage Area

On December 4, 1981, I visited the Kearny Works in order to confirm that corrective action was taken to place the Works' PCB storage area in compliance with 40CFR761. The new storage area which is located on the fifth floor of Building #25 is correctly labelled, has secondary containment (dikes) for all PCBs and PCB items, and satisfactorily complies with the PCB Ban Regulations for an Annex III storage facility.

T. A. Hunter
T. A. HUNTER

:mf

January 8, 1982

MR. J. J. HEANEY - 84550

Re: PCB Contaminated Transformers

Attached is a laboratory report indicating that all of our high voltage mineral oil transformers have less than 50 parts per million of PCB's except the Wire Mill three, and the fourth from the west end of the row outside 170-3. These four have less than 500 PPM and must be disposed of as PCB contaminated.

We have advised Mr. Wolchok of the [illegible] building condition.

BHR:84520:sr

J. T. CHIKOWSKI - 84520

853860153

CHEMTECH
CONSULTING GROUP INC. 360 West 11th Street / New York, New York 10014 (212)255-2100

Western Electric Co., Inc.
100 Central Avenue
Kearny, N.J. 07032

January 4, 1982

Attn: Bruce H. Rapp, Dept. 8452

PROJ. NO.: 11WE3

REF.: 13 Transformer Oils

LABORATORY REPORT

SAMPLE DESCRIPTION / TEST	PCB Content (ppm)			
T6	<50			
T5 170-South, #4 Room West	56.			
T2 Left	<50			
T2 Center	<50			
T2 Right	<50			
T1 Left	<50			
T1 Center	<50			
T1 Right	<50			
Spare	<50			
T8	<50			
T52 Wire Mill East	85.			
T51 Wire Mill Center	120.			
T55 Wire Mill West	61.			

REMARKS: Sample was extracted and analyzed by gas chromatography-electron capture detection.

Alan Schoffman, Ph.D.
Director, Analytical Services

853860154

February 4, 1982

MEMORANDUM FOR RECORD

On February 3, 1982, two Interstate Sanitation Commission representatives, Mr. Henry W. Anusiak and Mr. Pete L. Sattler, met with Mr. Joe Chikowski and Mr. Angelo Basile to inspect Kearny's six permitted outfalls to the Passaic River. Attached are copies of D.E.P. correspondence as evidence of State approved authorization for their organization to conduct a monitoring inspection.
They toured the Waste Treatment Plant (002) and were shown the sampling points for both the Powerhouse (001) and outfall 003 located in 12 building basement below the old Cable Shop. We also indicated the location of the manhole covers where the remaining three discharge points (004, 005, 006) are sampled. (primarily storm water drainage outfalls).

We provided verbally the answers to their NPDES compliance questionnaire we had previous received through the mail. They were favorably impressed with the treatment plant especially the clearness of the filtered water in the clarifier.

They plan to return to Kearny unannounced sometime in April of this year to take effluent samples of all six outfalls. They will utilize a mobile laboratory unit on company grounds to analyze the samples. The samples will be taken at periodic intervals during the eight hours the Waste Treatment Plant is expected to be in operation.

Angelo Basile 2/4/82
ANGELO J. BASILE - 84520

:sr

Copy to: (without attachment)
J. T. Chikowski - 84520
R. M. Dineen - 84752
D. R. Staple - 84753

Copy to: (with attachment)
J. G. Ambers - 222 Broadway
W. Boyhan - 222 Broadway

853860155

Western Electric

Kearny Works

100 Central Avenue
Kearny, N J 07032
201 465-4000

nager

Re: Western Electric Company Kearny Waste Treatment Plant Sludge

Dear Mr. Capener:

Enclosed is the additional sample you requested per your letter of April 30, 1982, to Mr. Angelo J. Basile. This sample is a composite of our sludge filter cake taken over a period of seven (7) production days.

Also, for your use as comparative information, the following results are from a recent sludge analysis conducted by our laboratory for the metals of environmental concern to us:

Metal	Total (mg/kg)*
Chromium	12,000
Copper	2,300
Lead	2,400
Nickle	4,200
Zinc	150

*Wet basis - 79% moisture

We are glad to be of help in this matter and appreciate your interest.

Yours truly,

AJB:15KY684520:sr

J. T. CHIKOWSKI, Department Chief
Environmental and Safety Engineering

Copy to: (with att.)
J. G. Ambers - 222 Broadway

853860156

April 30, 1982

Mr. Angelo J. Basile
Western Electric
100 Central Avenue
Kearny, NJ 07032

Dear Mr. Basile:

The first sludge sample provided in February has been analyzed by [illegible]rocessing Company. The preliminary results, as noted below, indicate marginal resource recovery potential:

Semiquantitative Analysis

SiO_2	63.0%
Al_2O_3	7.2
CaO	0.64
P_2O_5	Traces < 1.0
Fe_2O_3	16.0
MgO	0.93
Na	Traces < 0.10
Cu	1.1
Ti	0.043
Pb	0.44
B	0.043
Cd	Not Detected < 0.006
Cr	0.66
Sn	1.0

Mn	0.060
Ni	1.1
Mo	0.020
V	Not Detected < 0.002
Ag	0.00055
Zn	2.6
Zr	Not Detected < 0.003
Co	Traces < 0.002
Sr	Not Detected < 0.002
K	Not Detected < 0.10
Au	Not Detected < 0.002
Pd	Not Detected < 0.002
Other elements	nil

Enclosed are additional sampling and mailing materials. Please arrange for the taking of a one (1) pound composite sample of the sludge filter cake produced at your facility. A sample taken over five (5) production days would be preferable and more representative than a grab sample. WRCP would also appreciate receiving a copy of any analysis done on the sludge.

Please don't hesitate to call me with any questions you may have. Your interest and cooperation is appreciated.

Sincerely,

[redacted]

Enc.: As noted.

Generator Name: WESTERN ELECTRIC COMPANY, INC.

Generator EPA ID No.: NJD002139053

Generator address: 100 Central Avenue, Kearny, N.J. 07032

General description of the Waste: Wastewater Treatment Sludges from Metal Finishing Operations

Does the waste material described on the attached description contain any DHS Class I or DHS Class II materials as defined under COMAR 08.05.05 Regulations .01-.18 (inclusive).

DHS Class I			Approximate Concentration(mg/
Acrolein	___yes	X no	
Acetylaminofluorene	___yes	X no	
alpha-Naphthylamine	___yes	X no	
Aminodiphenyl	___yes	X no	
Auramine	___yes	X no	
beta-Naphthylamine	___yes	X no	
beta-Propiolactone	___yes	X no	
Benzidine	___yes	X no	
bis(Chloromethyl) Ether	___yes	X no	
Cadmium Salts	___yes	X no	
Chlornaphazine (bis (2-Chloroethyl) 2-Naphthylamine)	___yes	X no	
Dichlorobenzidine	___yes	X no	
Dichlorodiphenyltrichloroethane (DDT)	___yes	X no	
Dimethylaminoazobenzene	___yes	X no	
Dioxins	___yes	X no	
Endrin	___yes	X no	
Ethyleneimine	___yes	X no	
Heptachlor	___yes	X no	
Heptachlor Epoxide	___yes	X no	
Kepone	___yes	X no	

853860159

DHS Class I			Approximate Concentration
Mercury Compounds	___yes	X no	
Methyl Chloromethly Ether	___yes	X no	
Methylene-bis-Chloraniline	___yes	X no	
Mirex	___yes	X no	
Mustard Gas (bi-Chloroethyl Sulphide)	___yes	X no	
Nickel Carbonyl	___yes	X no	
Nitrobiphenyl	___yes	X no	
Nitrosodimethylamine	___yes	X no	
Phosphorus (White)	___yes	X no	
Polybrominated Biphenyls (PBB)	___yes	X no	
Polychlorinated Biphenyls (PCB)	___yes	X no	
Tetrachlorodiphenylethane (TDE)	___yes	X no	
Tetraethyl Pyrophosphate	___yes	X no	
Vinyl Chloride Monomer	___yes	X no	

DHS Class II			
Aldrin	___yes	X no	
Antimycins	___yes	X no	
Arsenicals	___yes	X no	
Asbestos in Fibre Form	___yes	X no	
Chlordane	___yes	X no	
Chromates	X yes	___no	TRIVAL 0.2 Chrome (E.P. Extract)
Cyanides	X yes	___no	Complex 0.1 (E.P. Extract)
Dimethyl Formamide	___yes	X no	
Disulfoton	___yes	X no	
Endosulfan	___yes	X no	
Estrogenic Compounds	___yes	X no	
Flouroacetic Acid, and its salts	___yes	X no	
Guthion	___yes	X no	

853860160

DHS Class II

			Approximate Concentration (mg
Mercury (Metallic)	___yes	X no	
Mevinpnos	___yes	X no	
Parathion	___yes	X no	
Pentachlorophenol	___yes	X no	
Phthalic Acid Esters	___yes	X no	
Picioram	___yes	X no	
Rotenone	___yes	X no	
Toxaphene	___yes	X [illegible]	
Trichloroethylene	___yes	[illegible]	
Trichlorophenol	___yes	[illegible]	
Tetraethyl Lead	___yes	[illegible]	

Pr[illegible] by: [signature]

Dat[illegible] [illegible]/3/92

853860161

HAZARDOUS WASTE STUDY

PRELIMINARY SUMMARY OF CHEMTECH ANALYSIS

GROUP NO.	DESCRIPTION OF WASTE MATERIAL	NO. OF SAMPLES	RANGE		
			pH	FLASH PT (°F)	TOT SOLIDS
001	PERCHLOROETHYLENE	27	2.0 - 6.0	75 - 120	0.06 -
002	METHYLENE CHLORIDE	31	4.0 - 6.0	77 - 90	0.23 -
003	METHYL ETHYL KETONE	71	4.2 - 8.0	77 - 113	0.01 -
004	XYLENE	64	5.0 - 6.0	77 - 90	0.13 -
005	VARSOL	60	5.0 - 6.0	77 - 113	0.01 -
006	VARNISH	42	3.0 - 6.0	77 - 120	22.1 -
007	ACIDS & CAUSTICS	53	3.0 - 12.0	77 - 140	1.31 -
008	FORMALDEHYDE	3	3.5 - 5.0	77 - 135	0.04 -
009	PHOTO RESIST	24			
011	TRICHLOROETHYLENE	24	2.0 - 5.7	75 - 120	0.15 -
013	CYANIDE SLUDGE	33			
014	SOLIDS	37			
015	THINNERS	8			

March 14, 1980

MEMORANDUM FOR RECORD

Re: Water Base Paint Sludge

The Western Electric Company Kearny Works has been attempting to dispose of water base paint sludge trhough an outside contractor

y

The purpose of this memorandum is to record this information.

I. Incredients of Paint

From the supplier (Armitage Paints), the percent content by weight and ingredient make-up consists of:

A.	Liquid	30%
	1. Water (17.24%)	
	2. Butyl Cellosolve (0.16%)	
	3. N-Propanol (5.3%)	
	4. Hexalene Glycol (5.3%)	
B.	Resin	35%
	1. Solid (24.5%)	
	2. Liquid (Alcohol) (10.5%)	
C.	Pigment	35%
	1. Titanium Dioxide (33.37%	
	2. Lampblack (0.54%)	
	3. Yellow Iron Oxide (1.09%)	
	Total	100%

II. Manufacturing Process

From the Product Engineer and Waste Disposal Engineer the following was determined. The operation covers the spray-painting of a variety of fabricated metal parts on a conveyor paint line, which includes an exhausted water-wall spray booth followed by a baking oven. The parts are transported by the conveyor into the booth, which is between the exhausted water wall and the operator. The operator sprays the parts; the solvent vapors are exhausted; the particulates are captured by the water wall and are washed down into a holding tank at the bottom of the booth.

During the off-shift, the paint sludge is collected in the following manner. The water flow is shut off. The gratings above the holding tank are removed and appropriate quantities of Sodium Hydroxide are put in the water to flocculate the paint sludge. After an appropriate wait, the cleaner dons the required protective clothing and wades through the tank collecting the sludge with a screened scoop and a perforated shovel. This material is placed in an empty 5 gallon paint can, covered, and then transported to a

holding area until all tanks are done. The total quantity of paint sludge collected is then transported to an outside storage area for ultimate disposition.

III. Waste Product Generated

The following was obtained from the Product Engineer. The waste product generated consists of a mixture of the solid particles of paint, the Na (OH) flocculent and water. It is approximately ninety percent solids. No alien contaminent is developed through the process.

IV. Heavy Metals and Flammability Analyses

The below listed information was obtained from the Chem. Lab.

A. Heavy Metals Analysis

Thirteen grams of a random-selected sample was dried and ignited. The remaining ash weighed 2.2 grams. A fifty percent solution of nitric acid was used to extract metals from the ash. The ash was then filtered and washed. The filtrate was diluted in 200 ml of water and analyzed on an atomic absorption spectrophotometer.

Atomic absorption analysis of the filtrate gave the following results based on the original weight of the sample.

Element	% of Water-Based Residue
Copper	0.00014
Chromium	Not Detected
Nickel	0.003
Cobalt	Not Detected
Iron	0.038
Zinc	0.0015
Cadmium	0.00003
Lead	0.0003
Silver	0.00003

B. Flammability Analysis

A similar quantity of the sample was ignited under controlled temperature conditions. The temperature was raised to 100°C, at which point the water began to vaporize. Vaporization was completed and the dried ash ignited at approximately 108°C (226°F).

:sr

G. C. TRANCHETTI - 84520

R. B. Butterfield, Jr.
General Manager
Kearny Works

Western Electric
100 Central Avenue
Kearny, N J 07032
201 465-4001

MR. HENRY KOLAKOWSKI, Superintendent
Town of Kearny
Wastewater Treatment Plant
39 Central Avenue
Kearny, New Jersey 07032

Dear Sir:

As requested in your letter of August 31, 1982, attached is the completed "Standard Form A" covering our wastewater discharged to the Kearny Sewage Treatment Plant.

Should you desire further information, please feel free to contact Mr. Angelo Basile on 465-5447.

Very truly yours,

General Manager

Att.

Copy to:
J. G. Ambers - 222 Broadway

FORM APPROVED
OMB No. 158—R0100

FOR AGENCY USE

STANDARD FORM A—MUNICIPAL

SECTION IV. INDUSTRIAL WASTE CONTRIBUTION TO MUNICIPAL SYSTEM

Submit a description of each major industrial facility discharging to the municipal system, using a separate Section IV for each facility description. Indicate the 4 digit Standard Industrial Classification (SIC) Code for the industry, the major product or raw material, the flow (in thousand gallons per day), and the characteristics of the wastewater discharged from the industrial facility into the municipal system. Consult Table III for standard measures of products or raw materials. (see instructions)

1. **Major Contributing Facility** (see instructions)

Name	401a	WESTERN ELECTRIC COMPANY
Number & Street	401b	100 Central Avenue
City	401c	Kearny
County	401d	Hudson
State	401e	New Jersey
Zip Code	401f	07032

2. **Primary Standard Industrial Classification Code** (see instructions) — 402: 3661

3. **Principal Product or Raw Material** (see instructions)

			Quantity	Units (See Table III)
Product	403a	Telephone Equipment and Apparatus	403c: —	403e: —
Raw Material	403b		403d:	403f:

4. **Flow** Indicate the volume of water discharged into the municipal system in thousand gallons per day and whether this discharge is intermittent or continuous.
   - 404a: 330 thousand gallons per day
   - 404b: ☐ Intermittent (int) ☒ Continuous (con)

5. **Pretreatment Provided** Indicate if pretreatment is provided prior to entering the municipal system — 405: ☐ Yes ☒ No

6. **Characteristics of Wastewater** (see instructions)

*Normal Domestic Sewage

	Parameter Name				
406a	Parameter Number	*			
406b	Value	*			

853860166

EPA Form 7550—22 (7—73)

GPO 865-706

This section contains 1 page.

SECTION IV - INDUSTRIAL WASTE CONTRIBUTION TO MUNICIPAL SYSTEM

I certify that I am familiar with the information contained in this questionnaire and that, to the best of my knowledge and belief, such information is true, complete and accurate.

R. B. BLANKENFIELD, JR.
Name

General Manager
Title

Signature of
Authorized Representative

Yr Mo Day
Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than $10,000 or imprisoned not more than five years, or both.

Do not make entries in shaded areas

OMB #: 2050-0005 Expires: 1-31-83

ENVIRONMENTAL PROTECTION AGENCY

GENERATOR ANNUAL HAZARDOUS WASTE REPORT

This report is for the calendar year ending December 31, 1981.

NJD002139053 02 GF

WESTERN ELECTRIC CO INC
ATTN: CHIKOWSKI JOE DEPARTMENT CHIEF
100 CENTRAL AVENUE
KEARNY NJ 07032

GENERAL INSTRUCTIONS: If you received a preprinted label attached to the mailing envelope in which this form was enclosed, affix it in the space provided. If any of the information on the label is incorrect, draw a line through it and provide the correct information in the appropriate section below. If the information is correct and complete, leave Sections I, II, and III below blank. If you did not receive a preprinted label, complete all sections. REFER TO THE SPECIFIC INSTRUCTIONS CONTAINED IN THIS BOOKLET BEFORE COMPLETING THIS FORM. The information requested in this report is required by law (Section 3002 of the Resource Conservation Recovery Act).

Please print/type with elite type (12 characters per inch)

I. GENERATOR'S EPA I.D. NUMBER

F A C
F 1
1 2 13 14 15

II. NAME OF INSTALLATION

69

III. INSTALLATION MAILING ADDRESS

3
15 16 45
Street or P.O. Box

4
15 16 41 42 47 51
City or Town State Zip Code

Tear out here

IV. LOCATION OF INSTALLATION (if different than section III above)

5
15 16 45
Street or Route number

6
15 16 41 42 47 51
City or Town State Zip Code

V. INSTALLATION CONTACT

7 C H I K O W S K I J O E
15 16 45
Name (last and first)

2 0 1 - 4 6 5 - 5 4 5 3
46 55
Phone No. (area code & no.)

VI. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

R. B. BUTTERFIELD, JR. General Manager R B Butterfield Jr 12/20/82

Print/Type Name Title Signature of Authorized Representative Date Signed

EPA Form 8700-13A (5-80) (Revised 10-82)

853860168

Do not make entries in shaded areas

ENVIRONMENTAL PROTECTION AGENCY

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1981.

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

T/A C

G | N J D 0 0 2 1 3 9 0 5 3 | T

1 2 13 14 15

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

INC.

IX. FACILITY'S EPA I.D. NO.

F | A L D 0 0 0 6 2 2 4 6 4

16 28

X. FACILITY ADDRESS

P.O. Box 55

XI. TRANSPORTATION SERVICES USED (list the name and EPA I.D. No. of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheet(s).)

1557

XII. WASTE IDENTIFICATION

Sequence	Line	A. Description of Waste	B. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
	1	Spent Cyanide Plating Bath Solution	38 39 42	1 4 8 0 0	P
	2	Residue from Misc. Plating Operations: CHROMIC ACID	0 2	1 2 0 0	P
	3	Residue From Misc. Stripping Operations: SODIUM HYDROXIDE	0 2	9 2 0 0	P
	4	Residue From Misc. Cleaning & Degreasing Operations: Mixture of TCE, PCE, MCD, XYLENE, MEK, METHANOL & OIL	0 1	3 6 6 0 0	P
	5	Residue From Printed Wiring Board Cleaning Operation: Mixture of VARSOL, XYLENE, MEK, ETHYLBENZENE & WATER	0 1	2 2 8 0 0	P
	6	Residue From Photo Print Operation: FORMALDAHYDE	0 1	2 8 0 0	P
	7	Residue From Mass Soldering Operation: Mixture of PCE & ISOPROPANOL	0 1	9 9 8 5 0	P
	8	Residue From Coil Impregnation Operation: VARNISH	0 1	5 3 2 0 0	P

Tear out here

XIII. COMMENTS (enter information by section number and item number)

853860169

Do not make entries in shaded areas

ENVIRONMENTAL PROTECTION AGENCY

Generator Annual Hazardous Waste Report (cont.)

This report is for the calendar year ending December 31, 1981.

Date rec'd: _____ Rec'd by: _____

VII. GENERATOR'S EPA I.D. NO.

G N J D 0 0 2 1 3 9 0 5 3 T/A C

VIII. FACILITY NAME (specify facility to which all wastes on this page were shipped)

IX. FACILITY'S EPA I.D. NO.

F N Y D 0 0 2 0 4 4 1 9 6

X. FACILITY ADDRESS

31 Sea Cliff Avenue
Glen Cove, L.I., N.Y. 11931

XI. TRANSPORTATION SERVICES USED (list the name and EPA identification number of all transporters whose services were used during 1981. This section to be completed only once. Do not repeat on supplemental sheets.)

12

XII. WASTE IDENTIFICATION

Sequence	Line	A. Description of Waste	B. RCRA Hazard Code	C. EPA Hazardous Waste No. (see instructions)	D. Amount of Waste	E. Unit of Measure
1	1	Residue From Printed Wiring Board Land Area Copper Plating	0 2	D 0 0 2	2 7 9 0 0 0 0	P
		Operation: Mixture of SODIUM HYDROXIDE & COPPER SOLUTION				

XIII. COMMENTS (enter information by section number—see instructions)

Tear out here

Page 3 of 3

853860170

Western Electric

Kearny Works

100 Central Avenue
Kearny, N.J. 07032
201 465-4000

February 15, 1983

MANIFEST SECTION
New Jersey Bureau of Hazardous Waste Classification & Manifest
32 East Hanover Street
Trenton, New Jersey 08625

Re: Annual Report of Hazardous Waste Generator, Western Electric Company, Kearny Works

Sirs:

In accordance with NJAC 7:26-7.4 (g) 1, and Mr. D. J. Leu's request of December 22, 1982, we have attached the Western Electric Company, Kearny Works Hazardous Waste Generator's Annual Report for 1982. If you have any questions about this report contact Chris Tranchetti, Senior Environmental Engineer, (201) 465-5445.

Yours truly,

Original Signed By
J. T. CHIKOWSKI

J. T. CHIKOWSKI, Department Chief
Environmental & Safety Engineerin

GCT:51KY680320:sr

Att.

853860171

BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1982

1. GENERATOR'S NAME Western Electric Co. 2. EPA ID NO. NJD 002139053

3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 Telephone Number (201) 465-5445

4. TRANSPORTER'S NAME t 5. EPA ID NO. ALD 000622464

6. ADDRESS

7. FACILITY 8. EPA ID NO. ALD 000622464

9. ADDRESS

NJ MANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
075154	Xylene	Flam. Liq.	[illegible]	[illegible]	[illegible]	
075155	"	"		"	"	
"	Flam. Liq. NOS	"		"	"	
075156	"	"		"	"	
"	Perchloroethylene Mixt.	[illegible]		"	"	
075157	Trichloroethylene Mixt.	"	23970	"	"	
"	Flam. Liq. NOS	Flam. Liq.	13860	"	"	
104151	"	"	14700	"	"	
"	Paint Sludge	None	6300	"	F017	
"	Trichloroethylene Mixt.	ORMA	13800	"	D001	
"	Perchloroethylene Mixt.	"	2400	"	"	
104152	"	"	10500	"	"	
"	Methyl Ethyl Ketone	Flam. Liq.	9000	"	"	
"	Paint, Varnish	"	12050	"	"	
104154	Haz. Waste Liq. NOS	ORME	28000	"	D000	
104161	Methylene Chloride Mixt.	ORMA	22550	"	D001	
"	Perchloroethylene Mixt.	"	10800	"	"	
"	Trichloroethylene Mixt.	"	1800	"	"	
"	Methyl Ethyl Ketone	Flam. Liq.	3000	"	"	
"	Flam. Liq. NOS	"	4500	"	"	
[illegible]	"	"	14800	"	"	

* - PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860172

BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1982

1. GENERATOR'S NAME SAME 2. EPA ID NO. _____

3. ADDRESS _____ Telephone Number _____

4. TRANSPORTER'S NAME AS 5. EPA ID NO. _____

6. ADDRESS _____

7. FACILITY'S NAME PAGE 1 8. EPA ID NO. _____

9. ADDRESS _____
NJ

9. MANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ.CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
0104162	Paint Sludge	None	7200	Lbs.	F017	
"	Methylene Chloride Mixt.	ORMA	8800	"	D001	
0125323	"	"	30600	"	"	
"	Paint Sludge	None	7500	"	F017	
0125324	"	"	23850	"	"	
"	Methylene Chloride Mixt.	ORMA	2400	"	D001	
"	Methyl Ethyl Ketone	Flam. Liq.	500	"	"	
0125324	Varnish	Flam. Liq.	6000	"	"	
"	Xylene	"	2000	"	"	
"	Flamm Liq. NOS	"	1000	"	"	
0125325	Paint Sludge	None	34500	"	F017	
"	Trichloroethylene Mixt.	ORMA	2400	"	D001	
"	Photo Resist	Flam. Liq.	500	"	"	
"	Acetone	"	2000	"	"	
"	Alcohol NOS	"	1000	"	"	
0125326	"	"	1500	"	"	
"	Acetone	"	500	"	"	
"	Paint, Varnish	"	8000	"	"	
"	Paint Sludge	None	27000	"	F017	
0125327	"	"	27000	"	"	
"	Perchloroethylene Mixt.	ORMA	12000	"	D001	

* - PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860173

BUREAU OF HAZARD'S WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1982

1. GENERATOR'S NAME SAME 2. EPA ID NO.

ADDRESS Telephone Number

3. TRANSPORTER'S NAME AS 5. EPA ID NO.

4. ADDRESS

7. FACILITY'S NAME PAGE 1 8. EPA ID NO.

6. ADDRESS

NJ MANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ.CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
0125329	Paint, Varnish	Flam. Liq.	11550	Lbs.	D001	
"	Paint Sludge	None	23600	"	F017	
0125500	"	"	11900	"	"	
"	Methylene Chloride Mixt.	ORMA	8800	"	D001	
"	Perchloroethylene Mixt.	"	5400	"	"	
"	Trichloroethylene Mixt.	"	7200	"	"	
"	Flam. Liq. NOS	Flam. Liq.	3000	"	"	

* - PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860174

BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1982

1. GENERATOR'S NAME Western Electric Co. 2. EPA ID NO. NJD 002139053

3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 Telephone Number (201) 465-5445

4. TRANSPORTER'S NAM 5. EPA ID NO. MDD 000797373

6. ADDRESS

7. FACILITY'S 8. EPA ID NO. MDD 000797365

9. ADDRESS 161

NJ MANIFEST NO.	DESCRIPTION OF WASTE	DOT HAZ.CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
0104153	Metal Hydroxide Sludge	ORME	8	Tons	F006	
0104155	"	"	13	"	"	
0104156	"	"	9	"	"	
0104157	"	"	10	"	"	
0104158	"	"	10	"	"	
0104159	"	"	10	"	"	
0104160	"	"	10	"	"	
0125328	"	"	8	"	"	
0125330	"	"	8	"	"	

10. - PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860175

Western Electric

Kearny Works

100 Central Avenue
Kearny, N.J. 07032
201 465-4000

March 28, 1983

MR. FRANK COOLICK, Chief
New Jersey Department of Environmental Protection
Bureau of Hazardous Waste Engineering
32 E. Hanover Street
Trenton, N.J. 08625

Re: 1982 TSD Facility Annual Report

Dear Mr. Coolick:

This is in reply to your letters of 2/16/83 (requesting a TSD Annual Report by 3/1/83) and 2/25/83 (granting a 30 day extention) regarding the subject report.

As directed in the correspondence, enclosed are two (2) copies of the report. If any additional information is required, contact Chris Franchetti on (201) 465-5445.

Very truly yours,

G. F. CHIKOWSKI, Department Chief
Environmental & Safety Engineering

GCT:51KN660320:sr

Enc. (2)

JAN 3 0 1984

853860176

NEW JERSEY DEPARMENT OF ENVIRONMENTAL PROTECTION
STORAGE FACILITY ANNUAL HAZARDOUS WASTE REPORT

1. Facility Name, Address and EPA ID Number:

~~Western Electric Company~~, Inc.
100 Central Avenue
Kearny, N.J. 07032
NJD 002139053

2. Calendar Year Reported: 1982

3. Copies of Typical Waste Analyses: See Attachment I (2 Analyses)

4. Incidents Requiring Contingency Plan: None

5. Copies of Typical Daily Inspection Log: See Attachment II (1 Page)

6. Sample Copies of Notices to Off-Site Generator: None required. ~~Only off-site~~ generated waste accepted is from own company's Clark, N.J. Plant.

7. Groundwater Monitoring: None required.

8A. Updated Closure Cost Estimate: ~~$70,~~000.

8B. Updated Post-Closure Cost Estimate: None Required.

9. Daily Waste Tracking Records:

.Tracking Sheet A: See Attachment III 1 Page
.Tracking Sheet B: See Attachment IV - Pages)

10. Summary Listing: See Attachment V 1 Page

11. Certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties under N.J.S.A. 7:1E-1 et seq. for submitting false information, including the possibility of fine and imprisonment."

J. T. Chikowski 3/24
J. T. CHIKOWSKI, Department Chief Dat
Environmental & Safety Engineering

853860177

ATTACHMENT 1

Group: Xylenes

Group: Xylenes

Sample No	Physical Appearance	pH Units	Flash Point °F	SOLIDS		Sample No.	Specific Gravity	% Xylene	Approx. % of others	NOTES
				% Solids	% T.D.S.					
001	Golden yellow, slightly turbid	5.8	84	1.71	1.71	001	0.876	95	1.5	
002	Golden yellow, slightly turbid	5.8	91	2.97	2.96	002	0.877	95	1.1	
003	Clear sample, golden yellow in color	5.9	87	1.48	1.47	003	0.877	95		
004	Golden yellow, moderately turbid	6	85	1.86	1.85	004	0.875	95	1.4	
005	Golden yellow, slightly turbid	5.9	82	2.00	2.00	005	0.874	95	1.4	
006	Golden yellow, highly turbid	5.9	81	2.26	2.25	006	0.879	95		
007	Golden yellow, slightly turbid	5.9	79	2.11	2.10	007	0.878	95		

ATTACHMENT I

Group: Methyl Ethyl Ketone

Sample No.	Physical Appearance	pH Units	Flash Point °F	Solids % Solids	Solids Appearance
001	cl pale yellow liq	4.75	<77	1.01	Yellow Oil
002	cl pale yellow liq	4.75	<77	0.68	Amber Resin
003	cl golden liq	4.75	77	0.60	"
004	cl golden liq	5.2	77	2.[illegible]3	Yellow Oil
005	cl pale yellow liq	5.0	77	0.70	Amber Resin
006	cl pale yellow liq	5.7	<77	0.56	"
007	slightly cloudy golden, hot ...ed	5.5	77	1.76	Yellow Oil

Abbreviations

liq: liquid

cl: clear

Group: Methyl Ethyl Ketone

Sample No.	PCE %	MCD %	MEK %	Xy %	TCE %	Form %	Thnrs %	Nap. %	Vars %	
001			91.5							92%
002			100.0							100%
003			97.9							98%
004			98.3							98%
005		11.5	73.5	<1.0						86%
006			86.7							87%
007			100.0							100%

PCE: Perchloroethylene
MCD: Methylene chloride
MEK: Methylethyl Ketone
Xy: Xylenes
Thnrs: Thinners
Nap: Naptha
Vars: Varsol

STORAGE AREA INSPECTION RECORD

JAN

(RCRA - HAZARDOUS WASTE OPERATING RECORD - PART II - 1982)

DATE INSPECTED	CONTAINER (DRUM) INSPECTION						GENERAL INSPECTION					COMMENTS
	LEAKING		RUSTING		IF YES		GATE LOCKED		DRAIN CLOSED		IF NO	
	YES	NO	YES	NO	ACTION TAKEN	DRUM#	YES	NO	YES	NO	ACTION TAKEN	
1-1												Hot
1-4				X			X		X			
1-5				X			X		X			
1-6				X			X		X			
1-7				X			X		X			
1-8				X			X		X			
1-11				X			X		X			
1-12				X			X		X			
1-13				X			X		X			
1-14				X			X		X			
1-15				X			X		X			
1-18				X			X		X			
1-19				X			X		X			
1-20				X			X		X			
1-21				X			X		X			
1-22				X			X		X			
1-23			X		TRANSFERED TO NEW AREA	P-16 P-19	X		X			Percolate
1-24			X		"	P-2 P-11	X		X			"
1-27				X			X		X			
1-28				X			X		X			
1-29				X			X		X			

853860180

ATTACHMENT III

WESTERN ELECTRIC CO.

1982 HAZARDOUS WASTE TRACKING SHEET "A" 1 of 1

FOR FACILITIES THAT ACCEPT OFF-SITE GENERATED HAZARDOUS WASTE

NJ MANIFEST NUMBER	PLEASE MARK IF REJECTED	1982 DATE	HAZARDOUS WASTE ID #	QUANTITY	UNITS	* LOCATION WITHIN FACILITY	DESCRIPTION OF WASTE	GENERATOR'S EPA ID #
0075139		2/10	D001	200	G	301	Alcohol	NJD001882687
"		"	F003	150	"	"	Acetone	"
"		"	"	200	"	"	Mineral Spirits	"
"		"	F001	50	"	"	Trichloroethylene	"
"		"	"	50	"	"	Freon	"
0075140		6/21	D001	50	"	"	Alcohol	"
"		"	F003	100	"	"	Acetone	"
"		"	"	100	"	"	Mineral Spirits	"
"		"	F001	100	"	"	Trichloroethylene	"
"		"	F003	50	"	"	Castor Oil	"
"		"	F001	250	"	"	Freon	"
0075141		10/8	D001	100	"	"	Alcohol	"
"		"	F003	50	"	"	Acetone	"
"		"	"	50	"	"	Mineral Spirits	"
"		"	D001	50	"	"	Castor Oil	"
"		"	F001	50	"	"	Freon	"

*Haz. Waste Storage Area

853860181

ATTACHMENT IV

WESTERN ELECTRIC CO.

1982 HAZARDOUS WASTE TRACKING SHEET "B"

FOR FACILITIES THAT GENERATE TREAT OR STORE HAZARDOUS WASTE

1982 DATE	HAZARDOUS WASTE ID #	QUANTITY	UNITS	METHOD OF TSD	LOCATION WITHIN FACILITY	OFFSETTING N.J. MANIFEST # (IF APPLICABLE)	DESCRIPTION OF WASTE	1982 DATE WASTE SHIPPED OFF SI
1/4	D001	1000	G	S01	*	0075157	Trichloroethylene Mixt.	2/18
1/6	"	2300	"	"	"	0075154 & 0075155	Xylene	1/21 & 2/4
"	"	1000	"	"	"	"	Varsol	"
1/8	"	1350	"	"	"	007515	Trichloroethylene Mixt.	2/18
1/11	"	1000	"	"	"	0075156	Perchloroethylene Mixt.	2/11
1/14	"	750	"	"	"	0075155	Xylene	2/4
"	"	650	"	"	"	" & 0075157	Varsol	" & 2/18
1/18	"	1000	"	"	"	"	Thinners	"
1/19	"	750	"	"	"	0104151 & 0104152	Perchloroethylene Mixt.	2/25 & 4/15
1/20	"	850	"	"	"	0075155	Xylene	2/4
1/22	"	950	"	"	"	0104151	Methyl Ethyl Ketone	2/25
1/26	"	1100	"	"	"	"	Trichloroethylene Mixt.	"
1/28	"	1050	"	"	"	0104152	Perchloroethylene Mixt.	4/15
2/2	"	500	"	"	"	"	Methl Ethyl Ketone	"
2/4	"	200	"	"	"	"	Varnish	"
2/8	F017	300	"	"	"	0104162	Paint Sludge	7/8
2/9	D001	500	"	"	"	0104161	Methylene Chloride Mixt.	6/24
"	"	150	"	"	"	"	Sonic Solve Mixt.	"
2/16	F017	300	"	"	"	0104162	Paint Sludge	7/8
2/19	D001	500	"	"	"	0104152	Varnish	4/15
2/22	"	300	"	"	"	0104161	Perchloroethylene Mixt.	6/24
2/25	"	550	"	"	"	"	Methylene Chloride Mixt.	"
3/1	F017	300	"	"	"	0104162	Paint Sludge	7/8

*Haz. Waste Storage Area

ATTACHMENT IV

WESTERN ELECTRIC CO.

1982 HAZARDOUS WASTE TRACKING SHEET "B"

FOR FACILITIES THAT GENERATE TREAT OR STORE HAZARDOUS WASTE

1982 DATE	HAZARDOUS WASTE ID #	QUANTITY	UNITS	METHOD OF TSD	LOCATION WITHIN FACILITY	OFFSETTING N.J. MANIFEST # (IF APPLICABLE)	DESCRIPTION OF WASTE	1982 DATE WASTE SHIPPED OFF
3/3	D001	500	G	S01	*	0104152	Methyl Ethyl Ketone	4/15
3/5	"	300	"	"	"	0104161	Sonic Solve Mixt.	6/24
3/9	F017	300	"	"	"	0104162	Paint Sludge	7/8
3/12	D001	500	"	"	"	0104152	Varnish	4/15
3/15	F017	350	"	"	"	0125323	Paint Sludge	8/12
3/17	D001	500	"	"	"	0104161	Methylene Chloride Mixt.	6/24
3/22	F017	400	"	"	"	0125323	Paint Sludge	8/12
3/25	D001	300	"	"	"	0104161	Methyl Ethyl Ketone	6/24
3/26	"	200	"	"	"	0104162	Methylene Chloride Mixt.	7/8
3/30	F017	400	"	"	"	0125323	Paint Sludge	8/12
4/2	D001		"	"	"	0104161	Perchloroethylene Mixt.	6/24
4/6	"					0125323	Methylene Chloride Mixt.	8/12
4/8	"				"	0104161	Trichloroethylene Mixt.	6/24
4/12	F017	"		"	"	0125323 & 0125500	Paint Sludge	8/12 & 8/19
4/15	D001	400	"	"	"	0104161	Varsol	6/24
4/19	F017	500	"	"	"	0125500	Paint Sludge	8/19
4/26	"	600	"	"	"	"	" " "	"
4/29	D001	600	"	"	"	0125323	Methylene Chloride Mixt.	8/12
5/4	F017	700	"	"	"	0125500 & 0125324	Paint Sludge	9/19 & 9/10
5/7	D001	350	"	"	"	0104161	Perchloroethylene Mixt.	6/24
5/10	"	750	"	"	"	0125323	Methylene Chloride Mixt.	8/12
"	F017	700	"	"	"	0125324	Paint Sludge	9/10
5/17	"	750	"	"	"	"	" " "	"
5/20	D001	450	"	"	"	0125500	Perchloroethylene Mixt.	8/19

ATTACHMENT IV

WESTERN ELECTRIC CO.

1982 HAZARDOUS WASTE TRACKING SHEET "B"

FOR FACILITIES THAT GENERATE TREAT OR STORE HAZARDOUS WASTE

1982 DATE	HAZARDOUS WASTE ID #	QUANTITY	UNITS	METHOD OF TSD	LOCATION WITHIN FACILITY	OUTGOING N.J. MANIFEST # (IF APPLICABLE)	DESCRIPTION OF WASTE	1982 DATE WASTE SHIPPED OFF-SI
5/24	F017	900	G	S01	*	0125324 & 0125325	Paint Sludge	9/10 & 10/28
6/1	"	750	"	"	"	"	" "	"
6/2	D001	750	"	"	"	0125323	Methylene Chloride Mixt.	8/12
6/7	F017	650	"	"	"	0125325	Paint Sludge	10/28
6/14	"	650	"	"	"	"	" "	"
6/28	"	800	"	"	"	"	" "	"
6/30	D001	950	"	"	"	0125500 & 0125324	Methylene Chloride Mixt.	8/19 & 9/10
7/2	"	500	"	"	"	0125500	Trichloroethylene Mixt.	8/19
7/8	F017	700	"	"	"	0125325 & 0125326	Paint Sludge	10/28 & 11/4
7/27	"	600	"	"	"	"	" "	"
8/2	"	800	"	"	"	"	" "	"
"	D001	50	"	"	"	0125324	Methyl Ethyl Ketone	9/10
8/6	"	600	"	"	"	"	Varnish	"
8/9	F017	700	"	"	"	0125326	Paint Sludge	11/4
8/11	D001	200	"	"	"	0125324	Xylene	9/10
8/13	"	100	"	"	"	"	Photo Resist	"
8/17	F017	900	"	"	"	0125326	Paint Sludge	11/4
8/20	D001	500	"	"	"	0125327	Perchloroethylene Mixt.	11/11
8/24	F017	700	"	"	"	0125326 & 0125327	Paint Sludge	11/4 & 11/11
8/27	D001	200	"	"	"	0125325	Trichloroethylene Mixt.	10/28
8/30	F017	900	"	"	"	0125327	Paint Sludge	11/11
9/3	D001	500	"	"	"	"	Perchloroethylene Mixt.	"

*Haz. Waste Storage Area

853860184

ATTACHMENT IV

WESTERN ELECTRIC CO.

1982 HAZARDOUS WASTE TRACKING SHEET "B"

FOR FACILITIES THAT GENERATE TREAT OR STORE HAZARDOUS WASTE

1982 DATE	HAZARDOUS WASTE ID #	QUANTITY	UNITS	METHOD OF TSD	LOCATION WITHIN FACILITY	OFFSITE N.J. MANIFEST # (IF APPLICABLE)	DESCRIPTION OF WASTE	1982 DATE WASTE SHIPPED OFF-SI
9/7	F017	700	G	S01	*	0125327	Paint Sludge	11/11
9/10	D001	400	"	"	"	0125326	Varnish	11/4
9/14	F017	700	"	"	"	0125327	Paint Sludge	11/11
9/23	"	700	"	"	"	" & 0125329	" "	" & 12/13
"	D001	50	"	"	"	0125325	Photo Resist	10/28
"	"	150	"	"	"	"	Acetone	"
10/1	F017	900	"	"	"	0125329	Paint Sludge	12/13
10/4	D001	400	"	"	"	0125326	Varnish	11/4
10/21	F017	500	"	"	"	0125329	Paint Sludge	12/13
10/25	D001	550	"	"	"	"	Varnish	"
11/3	F017	800	"	"	"	"	Paint Sludge	"
11/16	"	250	"	"	"	"	" "	"
11/24	D001	500	"	"	"	"	Varnish	"
12/1	D001	500	"	"	"		Trichloroethylene Mixt.	
12/3	D001	750	"	"	"		Perchloroethylene Mixt.	
12/6	NJX900	400	"	"	"	0125338	Paint Sludge	3/9/83
12/20	D001	500	"	"	"		Trichloroethylene Mixt.	
12/23	NJX900	400	"	"	"	0125338	Paint Sludge	3/9/83

*Haz. Waste Storage Area

853860185

ATTACHMENT V

1982 SUMMARY OF MATERIAL RECEIVED & STORED

GENERATOR	NEW JERSEY MANIFEST NO.'S	DESCRIPTION OF WASTE	STORAGE QTY. (IN GALLONS) RECEIVED	REMOVED
		Alcohol	350	350
		Acetone	300	300
		Mineral Spirits	350	300
		Trichloroethylene	150	150
		Castor Oil	100	100
		Freon	350	0
2. Western Electric Co. 100 Central Avenue Kearny, N.J.	None (Self Generated)	Trichloroethylene Mixt.	5100	4100
		Xylene	3600	3600
		Varsol	2150	2150
		Perchloroethylene Mixt.	5900	5150
		Thinners	1000	1000
		Methyl Ethyl Ketone	2300	2300
		Varnish	3650	3650
		Paint Sludge	20000	19200
		Methylene Chloride Mixt.	1250	1250
		Sonic Solve Mixt.	450	450
		Photo Resist	150	150
		Acetone	150	150

May 17, 1983

MR. M. S. KIRWAN - 83460

Re: Disposal Routine for Spent Nickel Solution

The attempt to reclaim the spent nickel solution proved unsuccessful. The attached letter, dated 5/13/83, details the reason why.

Since reclaration is out, please follow this alternate disposal routine. Place the 1000 gallons into twenty 55 gallon closed-top steel drums. If the pH is 4 or more acetic, plastic inner liners are required. Label each drum, identifying the waste and using shop section number, and ship it to the Hazardous Waste Ouside Storage Area (OP) on a flat bed trailer. Final disposition will be accomplished at that end.

GCT:80320:sr

J. T. CHIKOWSKI - 80320

Att.

Copy to:
A. Messano - 22157
A. Basile - 80320

853860187

Western Electric

Corporate Engineering

222 Broadway
New York, N.Y. 10038
212 669-2345

JUL 12 1983

MR. J. KREITZ
Engineering Manager

Kearny Works

Re: Waste Treatment Plant and RCRA/PCB Surveys

Attached for your information are two (2) Memoranda; one on our waste treatment plant survey and the other on our RCRA/PCB survey, both prepared by Mr. E. T. Lee of my organization.

Mr. Lee was extremely well pleased with the operation and maintenance of your waste treatment plant. Except for a couple of minor comments about the hazardous waste storage facility, your RCRA/PCB program is also considered satisfactory.

We appreciate the assistance provided to Mr. Lee by your staff during the surveys.

T. A. MULHERN, P.E.
Energy and Environmental
Engineering Manager

Att.

853860188

JUL · 1983

MEMORANDUM FOR RECORD

Re: RCRA/PCB Survey at the Kearny Works

On June 20 and 23, 1983, I conducted a RCRA/PCB survey at the Kearny Works. Messrs. Bruce Rapp, Chris Tranchetti, and Angelo Basile hosted the tour and provided assistance during the survey. Last onsite survey was conducted in October 27, 1981.

RCRA Compliance Survey

The following categories of hazardous waste are managed under RCRA:

Paint sludge
Chlorinated Solvents - methylene chloride, perchloroethylene, trichloroethylene, etc.
Fluorinated Solvents - variety of Freons
Flammable Solvents - MEK, Varsol, xylene, acetone, alcohols, etc.
Varnishes
Miscellaneous Corrosives
Cyanide Sludge
Waste Oil

All these wastes except waste oil are manifested. Waste oil has been listed as hazardous waste by New Jersey D.E.P. effective January 17, 1983, but manifesting is exempted for generators who produce less than 1001 gallons per month (see attached New Jersey Register).

1. Manifest - Kearny Works is in compliance with both the

2. Containers - The containers observed in the storage area were in good condition with proper DOT and EPA hazardous waste labels.

3. Written Inspection Plan - The storage area is inspected daily for leaking and rusting containers and the security of the gate and drain system as indicated by the attached Storage Area Inspection Record sheet. Also maintained is a daily Storage Tracking Record. Both records were modeled from the information provided by the NJ DEP for the TSD (Transport, Storage and Disposal of Hazardous Waste) annual report requirements.

4. Contingency Plans - A type written plan was available with emergency coordinators designated.

5. Additional Records - No exception reports have been filed to date. Test results on waste analysis performed annually are kept on record. No incident reports have been filed.

6. Storage Facilities - The storage area, a 135' x 85' asphalt pad, is open to weather and fenced in with an 8' chain link fence. The enclosure is secured by a lock and clearly identified as a hazardous waste storage area by a large warning sign. There is telephone service about 250 feet away. Fire extinguishers had been ordered but not yet installed. See attached Job Request originated by Mr. Tranchetti, dated October 26, 1981.

   The storage pad is diked but the curb has valved openings. Some of the valves were left open during the tour. Mr. Tranchetti has asked that these openings be capped. Otherwise, the drainage system for the storage pad, as described in last survey report dated October 27, 1981, meets the applicable RCRA requirements.

PCB Inspection

The PCB items at Kearny Works include transformers, virgin PCB liquid contained in drums and some rags. The two transformers in outside storage at the south side of Building 170 were removed from premises on September 29, 1982 to Emelle, Alabama, as indicated by the attached disposal documents. There were 11 transformers in service, four outside and seven inside installations. There were ten 30-gallon drums and two partial drums of virgin PCB liquid stored in Building 25 on the 5th floor. This new PCB drum storage area is above the 100 year flood level. The area was locked and was not inspected because the key could not be located. According to Mr. Rapp, the 30-gallon drums are stacked in pairs within a 80-gallon drum which serves as diked area. He also stated that all the drums are properly labelled.

The PCB transformers were toured and were found properly labelled with mark "M_L". Annual PCB summary and quarterly inspection records were reviewed and found to be satisfactory. In summary, the PCB program was in compliance with applicable TSCA regulations.

E. T. LEE
Senior Engineer

:rb

JUL 1 2 1983

MEMORANDUM FOR RECORD

Re: Waste Treatment Plant Survey at the Kearny Works

On June 21 and 23, 1983, I conducted a waste treatment plant (WTP) survey at the Kearny Works. Messrs. Angelo Basile, Bill McComb, and Felix Sanchez provided assistance during the survey. The last survey was conducted during October of 1981.

General

The WTP is operated one shift, five days a week, treating about 120,000 gallons of wastewater per day. This flow is double the volume observed during our last survey. The plant is very well maintained and operated by two licensed operators and a helper. Both the control room and the downstairs pump room were in immaculate condition. Pump maintenance and repair are done by the operators. Instrumentation work is performed by a contractor. The clarifier effluent was crystal clear. A stable, well defined sludge bed was visible under three to four feet of sparkling clear supernatant.

Chrome Treatment

The sulfur dioxide residual is usually maintained at 30 to 40 ppm by a pH set point of 2.4 and an ORP set point of 240 mv. This higher sulfur dioxide residual is maintained due to the presence of hexavalent chrome in the cyanide waste. In the rapid mix tank where the pretreated cyanide and the pretreated chrome are mixed, the excess sulfur dioxide is put to use to destroy the hexavalent chrome from the cyanide waste. The pH in the influent chamber of the rapid mix tank is kept below 4.0 to allow the chrome reduction to take place.

Cyanide Treatment

A chlorine residual of 4-6 ppm is normally maintained in the pretreated cyanide effluent by the following pH and ORP set points:

	pH	ORP, mv
1st Stage	10.	420
2nd Stage	8.	600

Cyanide destruction under these conditions is reported to be effective.

Acid-Alkali Neutralization

Currently, pH adjustment in the acid-alkali neutralization system is not performed, the wastewater simply flows through the system. This is done, as mentioned before, to create a low pH (less than 4.0) condition in the influent chamber of the rapid mix tank to facilitate the reduction of any hexavalent chrome that might be present in the cyanide waste.

pH adjustment for the acid-alkali and pretreated chrome and cyanide is performed in one step in the main compartment of the rapid mix tank. The pH is controlled at a set point of 8.7. The pH leaving the rapid mix tank was recorded at 8.7 ± 0.3 during the survey. Further examination of previous recording charts showed similar results. This is considered very satisfactory for one step pH control.

Solid Removal

A well defined sludge blanket formed by large size floc was clearly visible three feet below the water surface. A sample taken from the clarifier effluent showed no visible suspended solids, it was crystal clear. Mr. McComb reported that this kind of performance has been achieved consistently since the printed wiring board operation was discontinued in 1981.

The coagulant aid dosage and the blow-off schedule are adjusted according to the condition of the floc formation and the thickness of the sludge blanket. During the survey, the coagulant aid, Calgon WT-2700, was added in the clarifier center well at about 5 ppm. The sludge blow-off schedule was set at 45 seconds per 45 minutes.

Effluent Quality

The following National Pollutant Discharge Elimination System (NPDES) permit conditions are in effect:

Oil and grease (mg/l)	10	Ni Soluable (mg/l)	1.0
TSS (mg/l)	10	Lead Total (mg/l)	1.0
Cr Total (mg/l)	0.25	Lead Soluable (mg/l)	0.05
Cr^{+6} (mg/l)	0.05	Iron Total (mg/l)	1.5
Cu Total (mg/l)	1.0	Iron Soluable (mg/l)	0.5
Cu Soluable (mg/l)	0.2	Cyanide Oxidizable (mg/l)	0.03
Ni Total (mg/l)	2.0	pH (units)	6.0 - 9.0

These limits are considered quite stringent. The WTP effluent has been in total compliance with the above limits since last survey in October, 1981.

Sludge Dewatering

The vacuum filter currently runs about twice a week. It consumes 900 lbs. (18 50 lb. bags) of perlite material to precoat each time and dewaters 15 - 20,000 gallons of sludge and generates 8,000 to 10,000 lbs. of filter cake. Every 7 to 10 days the filter cake fills a truck load of 10 tons. Each truck load of the filter cake which contains about 20% solids (17% - 22%), is analyzed for EP toxicity before shipment. If it is

Pump Room

The pump room was in immaculate condition. Equipment was very well painted. According to the operators, broken equipment is quickly repaired as soon as the parts are available.

The two epoxy floor coating tears reported in the last survey were repaired.

NPDES Permit

The last NPDES permit was to expire on June 30, 1981. A permit renewal application was filed in December, 1980. A new permit has not been issued. The permit conditions set forth in the last permit are still in effect.

A Compliance Monitoring Inspection of the Kearny WTP was conducted by the N.J. DEP on March 3, 1983. The facility was rated as Acceptable out of a possible rating of Acceptable, Conditional Acceptable, or Unacceptable.

Conclusion

The Kearny WTP is very well maintained and operated. The discharge has been in total compliance with permit conditions for nearly two years. The immaculate condition of the facility should be highly commended.

E. T. LEE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART I

CALENDAR YEAR COVERED 1983

2. FACILITY'S NAME A.T.&T. TECHNOLOGIES, INC.

3. EPA ID NO. NJD 002139053

4. MAILING ADDRESS 100 CENTRAL AVE
KEARNY
NEW JERSEY 07032

5. STREET ADDRESS OF FACILITY 100 CENTRAL AVE.
KEARNY
NEW JERSEY 07032

6. FACILITY CONTACT G.C. TRANCHETTI PHONE NUMBER (201) 465-5445

CLOSURE COST ESTIMATE $ 74,000

8. POST-CLOSURE COST ESTIMATE (if applicable) $ NOT APPLICABLE

9. CERTIFICATION STATEMENT

"I certify under panalty of law that I have personally examined and am familar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties under N.J.S.A. 13:1E-1 et seq. for submitting false information, including the possibility of fine and imprisonment".

R.R. WAHLBERG [signature] [date]
Print or Type Name Signature Date

10. In addition to the information required above and that required in Part II of this report, please submit the following required items: (where applicable)

A. A copy of the facility's typical waste analysis form. (INCLUDED)
B. A copy of the facility's typical daily inspection form. (INCLUDED)
C. A copy of the typical notice to a generator, required under N.J.A.C. 7:26-9.4(a)1 and a listing of all generators who received this notice (only for commercial facilities). (N/A)
D. A listing of all waste shipments rejected, according to manifest number and an explanation for each rejected shipment (only for commercial facilities). (N
E. A listing of all manifest discrepancies and an explanation of each discrepancy (only for commercial facilities) (N/A)
F. A listing of the total quantity of each waste type treated, stored, or disposed of at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
G. A listing of the total quantities of each waste type consigned to each treatment, storage, or disposal process used at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste. (NONE REQ'D SAME AS F)
H. A report covering all incidents that required implementing the contingency plan. (NONE REQ'D)

853860194

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART II

853860195

11. FACILITY EPA ID # NJD CC2139053

12. GENERATOR NAME A.T.&T. TECHNOLOGIES, INC.

13. GENERATOR ADDRESS 100 CENTRAL AVE
KEARNY
NEW JERSEY 07032

14. GENERATOR EPA ID # NJD CC2139053

15. WASTE IDENTIFICATION

LINE NUMBER	a) DESCRIPTION OF WASTE	b) NJDEP HAZARDOUS WASTE NUMBER	c) HANDLING METHOD	d) AMOUNT OF WASTE	e) UNITS
1.	CORROSIVE NOS	D002	S01	25600	P
2.	PAINT SLUDGE	NJX900	"	198950	"
3.	FLAM. LIQ. NOS (VARSOL)	D001	"	1350	"
4.	FLAM. LIQ. NOS (MIN. SPIRITS)	D001	"	1250	"
5.	TRICHLOROETHYLENE MIXT.	D001	"	58800	"
6.	FLAM. LIQ. NOS (THINNERS)	D001	"	7200	"
7.	PAINT, VARNISH	D001	"	39400	"
8.	PERCHLOROETHYLENE	D001	"	31800	"
9.	HAZARDOUS LIQ. NOS	D001	"	7100	"
10.	HAZARDOUS LIQ. NOS	D002	"	800	"
11.	CORROSIVE LIQ. NOS	D002	"	13650	"
12.	GASOLINE-WATER MIXT.	D001	"	3200	"
13.	CYANIDE SOL. NOS	D001	"	10350	"
14.	METHYLENE CHLORIDE MIXT.	D001	"	17.00	"
15.	FLAM. LIQ. NOS	D001	"	3450	"
16.	SODIUM HYDROXIDE SOL.	D002	"	1300	"
17.	CORROSIVE SOLID NOS	D002	"	13400	"
18.	FORMALDAHYDE	D001	"	15500	"
19.	ALCOHOL	D001	"	1600	"
20.	ACETONE	D001	"	1500	"

LINE NUMBER	a) DESCRIPTION OF WASTE	b) NJDEP HAZARDOUS WASTE NUMBER	c) HANDLING METHOD	d) AMOUNT OF WASTE	e) UNITS
21.	METHYL ETHYL KETONE	D001	S01	600	P
22.	FLAM. LIQ. NOS	D001	"	19500	"
23.	WASTE OIL NOS	NJX726	"	92590	"
24.	FREON	F001	"	4200	"

PAGE 2 OF 2

853860196

Western Electric

Morton I. Zeidman
Attorney

222 Broadway
New York N Y 10038
212 669 2510

December 7, 1983

MR. JOE SCHMIDT
Office of Regulatory Services
NJ Department of Environmental
Protection
CN 402
Trenton, NJ

Re: Western Electric Co., Inc. - Kearny Works
100 Central Ave., Kearny, NJ 07032

Dear Mr. Schmidt:

On January 27, 1983, the Western Electric Company announced plans to close its Kearny, NJ, manufacturing facility.[1] The closing will occur in stages over several years. Subsequent to the announcement, the New Jersey Environmental Cleanup Responsibility Act (ECRA) was passed requiring an industrial establishment to notify the Department of Environmental Protection (DEP) of its decision to close a facility. The act becomes operative on December 31, 1983, and Western Electric, if subject to the provisions of ECRA, would be required to notify the DEP prior to December 31, 1983.

Section 3F of ECRA provides in part, "Those facilities or parts of facilities subject to operational closure and post closure maintenance requirements pursuant to the 'Solid Waste Management Act,' P.L. 1970, C. 39 (C.13:1E-1 et seq.), the 'Major Hazardous Waste Facilities Siting Act,' P.L. 1981, C. 279 (C.13:1E-49 et seq.) or the 'Solid Waste Disposal Act' (42 U.S.C. Sec. 6901, et seq.)... shall not be considered industrial establishments for the purposes of this act."

1 A copy of the announcement is attached.

During our discussion on November 30, 1983, Chris Tranchetti and I informed you that the Kearny facility contained a waste water treatment plant and storage facility which are subject to the closure and post closure requirements of the statutes specified in Sec. 3F above. We asked you whether the Kearny Works is subject to the ECRA since the waste water treatment facility and storage facility would require closure and post closure maintenance, pursuant to the Solid Waste Disposal Act or the Solid Waste Management Act (statutes).

You determined that the Kearny Works would not be subject to the provisions of ECRA since the waste treatment and storage facility are subject to closure and post closure maintenance requirements and consequently the Kearny Works would be subject to the closure and post closure requirements of the "statutes." [2]

Based on your determination, Western is not required to notify the DEP of its decision to close the Kearny Works (although such notification is contained in this letter) or to submit a negative declaration or cleanup plan pursuant to ECRA.

If the above properly describes the determination made by you in our conversation of November 30, 1983, I would appreciate you indicating your concurrence on the bottom of this letter and returning same to me.

Very truly yours,

---

2 Pursuant to the "statutes," Western Electric has furnished the DEP with a letter of credit covering the closure costs of the waste treatment plant and storage facility and a cleanup plan for such facilities.

AT&T
Technology Systems

100 Central Avenue
Kearny, N. J. 07032
201-465-4000

FEB 2 1984

Manifest Section
N. J. Dep. Division of Waste Management
Bureau of Hazardous Waste Classification & Manifest
32 East Hanover Street
Trenton, New Jersey 08625

Re: Generator's Annual Report

Gentlemen:

In response to Mr. D. J. Leu's request of December 15, 1983, attached is the AT&T Technologies, Inc. (formerly Western Electric Co.), Kearny Works Hazardous Waste Generator's Annual Report for 1983. If you have any questions, either contact me on the telephone number listed in the report, or Chris Tranchetti on (201-465-5445.

RGT:23310:rda

Att:

Yours truly,

R. P. NAHLBERG, Department Chief
Environmental Engineering

853860199

Department of Environmental Protection
Division of Waste Management
Bureau of Hazardous Waste Classification and Manifest

NJD 002139053 NJT —
EPA ID number (If one was issued)

AT&T TECHNOLOGIES, INC. (WESTERN ELECTRIC CO) (201) 465-5454
Company Name Phone Number

100 CENTRAL AVENUE
Street Address

KEARNY HUDSON NJ 07032
City County State Zip

SAME AS ABOVE
Mail Address Street Address (If different)

City County State Zip

40° 43' 30" N 74° 06' 50" W
Latitude Longitude

(201) 465-5555 (PLANT PROTECTION)
Emergency Phone

Generator L Transporter Storage Facility L
Company Type (Please check that which applied to your Company)

3661
SIC Code

853860200

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1983

1. GENERATOR'S NAME AT&T Technologies, Inc. (Western Electric Co) 2. EPA ID NO. NJD 002139053
3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 TELEPHONE (201) 465-5454
4. TRANSPORTER'S EPA ID NO MDD 000797373
5. ADDRESS P 21222
7. FACILITY'S NAME EPA ID NO NYD 080336241
9. ADDRESS 14302

10. MANIFEST NO	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
1/7 0125331	METAL HYDROXIDE SLUDGE	ORM-E	8	TONS	F006	
1/20 0125332	" " "	"	8	"	"	
1/26 0125333	" " "	"	8	"	"	
2/3 0125334	" " "	"	8	"	"	
2/8 0125335	" " "	"	8	"	"	
2/15 0125336	" " "	"	8	"	"	
2/21 0125337	" " "	"	8	"	"	
3/8 0125339	" " "	"	7.2	"	"	
3/21 0125466	" " "	"	8	"	"	
4/5 0125468	" " "	"	8	"	"	
4/12 0125469	" " "	"	9.63	"	"	
4/21 0125470	" " "	"	8	"	"	
4/26 0125471	" " "	"	9.72	"	"	
5/3 0125473	" " "	"	9.97	"	"	
5/10 0125474	" " "	"	9.93	"	"	
5/12 0125475	" " "	"	8.98	"	"	
5/25 0125476	" " "	"	8.83	"	"	

* PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860201

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTIO...

BUREAU OF HAZARDOUS WASTE

GENERATOR'S ANNUAL REPORT

FOR YEAR OF 1983

1. GENERATOR'S NAME AT&T Technologies, Inc. (Western Electric Co) 2. EPA ID NO. NJD 002139053

3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 TELEPHONE (201) 465-5454

4. TRANSPORTE EPA ID NO MDD 000797373

5. ADDRESS

7. FACILITY'S NYD 080336241

9. ADDRESS

10.	MANIFEST NO	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
6/6/83	0125477	METAL HYDROXIDE SLUDGE	ORM-E	9.21	TONS	F 006	
6/13	0125484	" " "	"	9.20	"	"	
6/20	0125478	" " "	"	9.631	"	"	
6/29	0125479	" " "	"	11.1	"	"	
7/7	0125480	" " "	"	10.18	"	"	
7/12	0125481	" " "	"	9.59	"	"	
7/14	0125482	" " "	"	8.29	"	"	
9/1	0125483	" " "	"	9.4	"	"	
9/6	0125488	" " "	"	9.42	"	"	
9/12	0125489	" " "	"	9.88	"	"	
9/19	0125493	" " "	"	9.82	"	"	
9/22	0125495	" " "	"	8.22	"	"	
10/4	0125499	" " "	"	9.31	"	"	
10/13	0168983	" " "	"	7.9	"	"	
10/27	0168984	" " "	"	7.84	"	"	
11/7	0168985	" " "	"	8.35	"	"	
11/16	0161136	" " "	"	8.34	"	"	

* PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860202

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1983

1. GENERATOR'S NAME AT&T Technologies, Inc. (Western Electric Co) 2. EPA ID NO. NJD 002139053
3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 TELEPHONE (201) 465-5454
4. TRANSPORTER'S 5. EPA ID NO MDD 000797373
5. ADDRESS 21222
7. FACILITY'S NAM EPA ID NANYD 080336241
9. ADDRESS 14302

10. MANIFEST NO	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
11/22/83 0161137	Metal Hydroxide Sludge	ORM-E	8.0	TONS	F006	
12/7 0161140	" " "	"	6.94	"	"	
12/15 0161141	" " "	"	6.61	"	"	

PLACE AN "X" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860203

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1983

1. GENERATOR'S NAME AT&T Technologies, Inc. (Western Electric Co) 2. EPA ID NO. NJD 002139053
3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 TELEPHONE (201) 465-5454
4. TRANSPORTER'S NAME . EPA ID NO ALD 000622464
5. ADDRESS MA 35459
7. FACILITY'S NAME EPA ID NO ALD 000622464
9. ADDRESS MA 35459

10.	NJ MANIFEST NO	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
3/9/83	0125338	Corrosive NOS (Hydrochloric)	Corrosive	25600	LBS	D002	
	"	Paint Sludge	None	6400	"	NJX900	
4/14/83	0125467	Flam Liq NOS (Varsol)	Flam Liq	1350	"	D001	
	"	" " " (Mineral Spirits)	" "	450	"	"	
	"	Paint Sludge	None	12000	"	NJX900	
	"	Trichloroethylene Mist	ORMA	14400	"	D001	
	"	Flam Liq NOS (Thinners)	Flam Liq	7200	"	"	
	"	Paint, Varnish	" "	2700	"	"	
5/3/83	0125472	Paint Sludge	None	32000	"	NJX900	
9/8/82	0125486	Trichloroethylene Mist	ORMA	13200	"	D001	
	"	Perchloroethylene Mist	"	16800	"	"	
	"	Paint Sludge	None	12000	"	NJX900	
11/24/83	0125444	Haz Liq NOS	ORME	7100	"	D001	
	"	" " "	"	800	"	D002	
	"	Corrosive Liq NOS	Corrosive	7000	"	"	
	"	Trichloroethylene Mixt	ORMA	9600	"	D001	
	"	Perchloroethylene Mixt	"	15000	"	"	

" PLACE AN "X" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860204

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTIO...
BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1983

1. GENERATOR'S NAME AT&T Technologies, Inc. (Western Electric Co) 2. EPA ID NO. NJD 002139053
3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 TELEPHONE (201) 465-5454
4. TRANSPORTER'S NAME , EPA ID NO ALD 000622464
5. ADDRESS 35459
7. FACILITY'S NAME ID NO ALD 000622464
9. ADDRESS 35459

10. MANIFEST NO (NJ)	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
8/24/83 0125496	Paint Sludge	None	8000	LBS	NJ X900	
"	Paint, Varnish	Flam Liq	30000	"	D001	
8/24/83 0125497	Paint Sludge	None	16450	"	NJ X900	
"	Paint, Varnish	Flam Liq	5200	"	D001	
"	Gasoline-Water Mixt	" "	3200	"	"	
"	Trichlorethylene Mixt	ORMA	2000	"	"	
"	Cyanide Sol NOS	Poison B	900	"	"	
" 0125498	Methylene Chloride Mixt	ORMA	600	"	"	
"	Flam Liq NOS	Flam Liq	1200	"	"	
"	Sodium Hydroxide Sol	Corrosive	1300	"	D002	
"	Corrosive Liq NOS	"	650	"	"	
"	" Solid "	"	1400	"	"	
11/21/83 0168986	Formaldahyde	ORMA	15500	"	D001	
"	Paint Sludge	None	13000	"	NJ X900	
"	Flam Liq NOS (Min Solvents)	Flam Liq	800	"	D001	
"	Alcohol	" "	1600	"	"	
"	Acetone	" "	1800	"	"	

...THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860205

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1983

1-30-1-6-01-7

1. GENERATOR'S NAME AT&T Technologies, Inc. (Western Electric Co) 2. EPA ID NO. NJD 002139063
3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 TELEPHONE (201) 465-5454
4. TRANSPORTER'S NA: A ID NO ALD 000622464
5. ADDRESS _____ 35459
7. FACILITY'S NAME _ PA ID NO ALD 000622464
9. ADDRESS _____ } ZIP 35459

10. MANIFEST NO (NJ)	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
11/22/83 01689860	Trichloroethylene Mixt	ORMA	1800	LBS	D001	
12/1/83 01611138	Methylene Chloride Mixt	"	600	"	"	
"	Methyl Ethyl Ketone	Flam Liq	450	"	"	
"	Trichloroethylene Mixt	ORMA	15400	"	"	
"	Paint Sludge	None	18800	"	NJX900	
"	Paint, Varnish	Flam Liq	1500	"	D001	
12/8/83 01611139	Flam Liq NOS	ORME	19500	"	"	
"	Paint Sludge	None	12500	"	NJX900	
"	Flam Liq NOS	Flam Liq	2250	"	D001	
"	Trichloroethylene Mixt	ORMA	2400	"	"	

PLACE AN "X" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY:

853860206

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF HAZARDOUS WASTE
GENERATOR'S ANNUAL REPORT
FOR YEAR OF 1983

1. GENERATOR'S NAME AT&T Technologies, Inc. (Western Electric Co) 2. EPA ID NO. NJD 002139053
3. ADDRESS 100 Central Avenue, Kearny, N.J. 07032 TELEPHONE (201) 465-5454
4. TRANSPORTER'S N: 5. EPA ID NO NJD 980536577
5. ADDRESS 8 3SEY 08105
7. FACILITY'S NAME 8. EPA ID NO NJD 980536577
9. ADDRESS 1, New Jersey 08105

10.	NJ MANIFEST NO	DESCRIPTION OF WASTE	DOT HAZ. CLASS	QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
8/12/83	0125485	Waste Oil NOS	Combustible Liq	6200	Gal	NJ X 726	
9/8/83	0125487	" " "	" "	2000	"	"	
9/12/83	0125490	" " "	" "	2200	"	"	
"	0125491	" " "	" "	2000	"	"	
"	0125492	" " "	" "	2200	"	"	
10/6/83	0168982	" " "	" "	6000	"	"	

" " PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

853860207

CORPORATE RESOURCES
ENVIRONMENTAL ENGINEERING

October 17, 1984

HAZARDOUS WASTE MANAGEMENT GUIDELINE NO. 9

Underground Bulk Hazardous Material Storage Tanks and Piping

This guideline contains recommendations for installation and testing of underground tanks and piping used for hazardous materials and wastes to minimize the possibility of groundwater and aquifer contamination due to undetected leakage. It is assumed that procedures and facilities to deal with leakage from above ground tanks and piping are already adequately covered in the location's Spill Prevention, Control and Countermeasure Plan (SPCC), Pollution Incident Prevention Plan (PIPP) and/or Emergency Response Plan.

Refer any questions or comments to S.K. Kempner, CORNET 8-222-3573 or W.S. Boyhan, CORNET 8-222-4149.

The following recommendations apply to all underground tanks and piping systems, and above ground tanks mounted directly on non-impervious bases, that contain hazardous materials. This includes storage tanks for virgin and waste materials, and spill tanks (PIPP tanks). Piping includes all pipes directly associated with tanks such as fill, pumpout and vent piping as well as transfer, drain and sampling lines not necessarily associated with a buried tank.

The term "hazardous material" used in this guideline means all substances which would be considered a pollutant if discharged to an aquifer or waterway. This includes both virgin and waste solvents, gasoline, fuel oil, plating chemicals, acids, caustic, etc.

SIGNIFICANT FACTORS

This guideline provides only an overview of the problem of groundwater protection. The actual action to be taken must be determined locally on a case-by-case basis for each tank or piping system. The following factors must be considered before such a determination can be made:

1. Tank Capacity - the larger the tank, the greater the risk.
2. Substance Stored - Chlorinated solvents, gasoline, benzene or cyanides are of far greater concern than ethanol or acetone. Deionized water would probably be of no concern.
3. Age of Tank

4. Materials of construction of tank and piping, presence of protective inner and/or outer coatings, cathodic protection, sacrificial anodes, electrical isolation, secondary containment, etc.

5. Use of expansion joints in piping (to reduce stresses on piping and nozzles), double wall piping, impervious trenches, etc.

6. Soil resistivity, groundwater level and other conditions which would contribute to corrosion.

7. Proximity to Aquifer.

8. Class of Aquifer:
   Class I - Drinking water supply that is vulnerable, irreplacible or supplies a unique habitat.
   Class II - Current or potential drinking water supply.
   Class III - Unsuitable for drinking water or other uses.

9. Geological nature of the area.

10. History of pollution incidents experienced by Location.

11. History of pollution incidents experienced by others in the area.

12. Federal, state and local regulations.

PROTECTIVE MEASURES

1. Secondary Containment, with continuous monitoring of the volume between containers:

   a) Double wall tank and piping.
   b) Concrete vault.
   c) Membrane lining of excavation.

2. Periodic Leakage Testing (At least annually) of both tanks and piping,
   a) Leak Lokator
   b) Petro-Tite
   c) Horner (Western U.S. only)

3. Inventory balancing (Input - [Output + Accumulation] = Leakage), by establishing a daily transfer record and inventory, with a weekly balancing procedure.

4. Leakage detection by periodic sampling and testing of monitoring or test wells

5. Groundwater monitoring.

SPECIFIC RECOMMENDATIONS

Gasoline Storage Tanks and Associated Piping - We do not recommend on-premises gasoline storage unless absolutely necessary for the efficient operation of the location. Unnecessary tanks should be removed.

If on-premises storage of gasoline is necessary:

a) All new installations of tanks and piping should provide secondary containment with continuous monitoring of the volume between the two containers

b) Existing tanks should be considered for replacement, depending upon corrosivity of the local soil, use of protective coatings, cathodic protection and other specific factors which will affect the ultimate life of the tank and piping. Under any circumstances, tanks older than twenty years should be replaced by December 31, 1986.

All New Tanks and Associated Piping - Unless buried storage is required by law, or above ground storage is impractical, we strongly recommend above ground installation of all storage tanks, with adequate provisions to contain leakage from both tanks and associated piping.

If underground installation is required, the tanks should be provided with secondary containment and continuous monitoring of the volume between containers, or with a highly reliable leak detection system and annual leak testing.

All Existing Buried Tanks and Associated Piping - Consideration should be given to the elimination of buried tanks unless provided with secondary containment and continuous monitoring of the volume between the two containers, or with a highly reliable leak detection system and annual leak testing.

Remove any tanks taken out of service.

For all buried tanks in service, establish a daily transfer record and inventory, with a weekly balancing procedure. If the tanks are ten years or older, perform leak tests annually, unless regulations require earlier or more frequent testing.

NOTE: Annual leak testing and inventory balancing are not necessary for tanks provided with double containment and continuous monitoring of the volume between containers, unless required by regulations. These functions are automatically provided as a consequence of continuous monitoring.

SPECIFIC RECOMMENDATIONS (Concluded)

Buried Transfer, Spill and Drain Piping - Based upon recent surveys, buried piping is more likely to be a source of leakage than buried tanks. Because of the wide variety of circumstances associated with piping it is difficult to provide definite recommendations. Each location should review all buried pipe installations and provide a case-by-case determination of the work necessary to prevent or promptly detect leakage. All modifications should be scheduled to be completed by December 31, 1988, unless regulations require faster action.

AT&T
Technology Systems

Kearny Works

100 Central Avenue
Kearny NJ 07032
201 465-4000

FEB 27 1985

Manifest Section
N. J. Dep. Division of Waste Management
Bureau of Hazardous Waste Classification & Manifest
32 East Hanover Street
Trenton, New Jersey 08625

Re: Generator's Annual Report

Gentlemen:

In Response to Nancy Power's request of January 26, 1984, attached is the AT&T Technologies, Inc. (formerly Western Electric Co.), Kearny Works Hazardous Waste Generator's Annual Report for 1984. If you have any questions, contact Chris Tranchetti on (201) 465-5445.

GCT:23310:amk

Att:

Yours truly,

R. E. WAHLBERG, Department Chief
Environmental Engineering

853860212

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1984

I. EPA ID Number: NJD 002139053

II. Generator Name: AT&T Technologies, Inc.

III. _____ Check here if there was no hazardous waste manifested during the report year.

III B. _____ Check here if the company is considered a small quantity generator.

IV. Contact Person: Chris Tranchetti

V. Phone Number: 1- (201) 465-5445

VI. Annual total of waste generated (Attachment)

VII. Company information verification (Attachment)

VIII. Certification

I certify that the information given in this annual report is true, accurate and complete.

R. R. WAHLBERG (Print or type name) | (Signature) | 2/20/85 (Date)

853860213

Part VI. Page 1 of 3

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MANIFEST SECTION
GENERATOR ANNUAL REPORT 1984

1. **Generator Name:** AT&T Technologies, Inc. **EPA ID No.** 002139053

Site Address: 100 Central Avenue, Kearny, New Jersey 07032

2. **Transporter Nam** . **ID No.** NYD080336241

3. **TSD Facility Na** . **ID No.** NYD080336241

TSDF Address:

4. **Waste Information:**

Waste Type	Waste Description	DOT Haz Class	Total Quantity	Units
F006	Metal Hydroxide Sl...	ORM-E (NA9189)	344	Tons

NOTE: For each combination of transporter and TSD facility, list the total quantity manifested for each waste type.

853860214

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MANIFEST SECTION
GENERATOR ANNUAL REPORT 1984

1. **Generator Name:** AT&T Technologies, Inc. **EPA ID No.** 002139053

Site Address: 100 Central Avenue, Kearny, New

2. **Transporter N** ID No. ALD000622464

3. **TSD Facility**). ALD000622464

TSDF Address: P. O. Bx 9

4. **Waste Information:**

Waste Type	Waste Description	DOT Haz Class	Total Quantity	Units
D001	Perchloroethylene Mixture	ORM-A	38,500	Lbs.
NJX900	Paint Sludge	None	227,600	Lbs.
D001	Flam. Liq. N.O.S. (Varsol)	Flam. Liq.	6,723	Lbs.
D001	Acetone	Flam. Liq.	722	Lbs.
D001	Flam. Liq. N.O.S. (Thinners)	Flam. Liq.	8,000	Lbs.
D001	Trichloroethylene Mixture	ORM-A	21,100	Lbs.
D001	Paint, Varnish	Flam. Liq.	48,900	Lbs.
None	Glycerine	None	2,000	Lbs.
D001	Haz. Waste, Solid, N.O.S.	ORM-E	8,100	Lbs.
D002	Corrosive Liq., N.O.S.	Corrosive	4,800	Lbs.

NOTE: **For each combination of transporter and TSD facility, list the total quantity manifested for each waste type.**

Part VI. Page 3 of 3

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
MANIFEST SECTION
GENERATOR ANNUAL REPORT 1984

1. **Generator Name:** AT&T Technologies, Inc. **EPA ID No.** 002139053

Site Address: 100 Central Avenue, Kearny, New Jersey 07032

2. **Transporter N** **A ID No.** NJD980536577

3. **TSD Facility** **No.** NJD980536577

TSDF Address: Jersey 08105

4. **Waste Information:**

Waste Type	Waste Description	DOT Haz Class	Total Quantity	Units
NJX726	Waste Oil N.O.S.	Combustible Liquid	12450	Gals.

NOTE: For each combination of transporter and TSD facility, list the total quantity manifested for each waste type.

853860216

COMPANY INFORMATION
****

CHANGE
******

EPA ID:	NJD002139053	
COMPANY NAME:	WESTERN ELECTRIC CO. INC.	AT&T Technologies, Inc.
--SITE ADDRESS--		
SITE STREET:	100 CENTRAL AVENUE	
SITE CITY:	KEARNY	
SITE STATE:	NJ	
SITE ZIP:	07032	
--MAILING ADDRESS--		
MAIL STREET:		
MAIL CITY:		
MAIL ZIP:	07032	
--GENERAL INFORMATION--		
CONTACT NAME:		Chris Tranchetti
PHONE NUMBER:	201-465-5454	(201) 465-5445
COUNTY:	HUDS	
LATITUDE:	404330	
LONGITUDE:	740650	
SIC CODE:	3661	
COMPANY TYPE:	GEN- TSDF-	

853860217

MAY 31 1985

MEMORANDUM FOR RECORD

Re: New Jersey Pollutant Discharge Elimination System (NJPDES) Permit Renewal Conference at Kearny on May 21, 1985.

On May 21, 1985, at approximately 10:00 a.m., Herb Juppe and I met with three (3) New Jersey Department of Environmental Protection (NJDEP), Division of Water Resources representatives (Flavian Stellerine - NJDEP, Barry Langer - SAIC, and Yasmin Alilhai - SAIC. Business cards for all attached).

The purpose of the meeting was to determine if Kearny is required to renew it's NJPDES permit. Summarily, we are not. The associated details which led to this determination follows.

Mr. Stellerine outlined the State's position. Kearny has submitted it's 5-year permit renewal to the Federal EPA in 1980. Subsequent to that time, the NJDEP took over the permitting and enforcement effort-and-the State honored our Federal renewal as though it were submitted to New Jersey. Officially, Kearny had no definitive permit termination date, but the State was performing an orderly renewal investigation of all permittees and it was our turn. Hence, the reason for their visit.

A brief review of Kearny's permit followed. I identified that there were six outfalls, four of which(outfall numbers 003 through 006) were storm sewer outfalls into which we fed AC, drainage systems, water sumps and water fountain effluent. Outfall number 001 was the Powerhouse discharge point, from which cooling water effluent emanates. Outfall number 002 was the Waste Treatment Plant, from which the treated Plating Shop effluent emanates. The State reviewed a copy of an NJDEP 4/26/85 Compliance Evaluation Inspection from which we received an "Acceptable" (the highest available)rating. I furnished a copy of the Kearny Works Plot Plan with all six discharge locations shown. The State representatives also reviewed a copy of the Storm Sewer System Plot Plan to satisfactorily confirm the recently passed legislation regarding permitting of Parking Lot storm sewer outfalls.

I further pointed out that Union Minerals was purchasing the property around the end of June and identified the anticipated ECRA, completion of cleaning up the Plating Shop and Waste Treatment Plant as late July. Herb Juppe added that the Powerhouse would cease operations at the end of June. Mr. Stellerine and his colleques were completely satisfied with the information conveyed. He stated that permit renewal was not required in light of the above information. He indicated that termination of the permit was in order and that the proper vehicle to do this was an "Affidavit of Exemption" (copy attached). He added that, because the Waste Treatment Plant would be operating after the sale was consumated, we should contact the following person to confirm the technique of applying for the exemption.

Mr. Herman Adelman
NJDEP
Division of Water Resources
Bureau of Permits Administration
(609) 984-4428

Mr Stellerine then requested a tour of the Waste Treatment Plant, the Powerhouse, and the four storm sewer outfalls so his group could write a final report on our permit, a copy of which we would receive. Herb Juppe left the meeting and I escorted the NJDEP group on the tour.

We finished at approxinately 12:30 p.m., at which time the NJDEP left, after expressing their satisfaction and approval of Kearny's application of it's NJPDES permit.

G.C. Tranchetti

GCT:23310:amk

G.C. Tranchetti, CSP

Att: Business Cards
Affidavit of Exemption

Copy to:

R. R. Butterfield, Jr.	- 54KY1
R. Bondani	- 23000
H. L. Juppe	- 23420

3 14 36

Copy to: Bill Duvel
Steve Lipusoka

FOLBR05 - REPORT

N.J.D.E.P. - WATER RESOURCES DIV. - WATER QUALITY MANAGEMENT ELEMENT

CATEGORY B FEE DEVELOPMENT - LOADINGS OF ALL NUMERICALLY LIMITED PARMS
SORTED BY PIPE, BY PARM WITHIN EACH NJPDES FACILITY

NJPDES : 0020443 FACILITY : ~~WESTERN ELECTRIC COMPANY~~ AT&T TECHNOLOGIES

PIPE	PARM. NO.	PARAMETER DESCRIPTION	LOADING	UNITS	1983 AT&T	SOURCE CODE	SOURC
001	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY	530.5		- UN
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY	90.42		- UN
	1034	CHROMIUM, TOTAL (AS CR)	.0000	KG/DAY	N/A		- UN
	1092	ZINC, TOTAL (AS ZN)	.0000	KG/DAY	N/A		- UN
002	530	SOLIDS, SUSPENDED, TOTAL (TSS)	2.0909	KG/DAY	2,100	A	DMR R
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.5224	KG/DAY	.5475	A	DMR R
	722	CYANIDE, FREE	.0055	KG/DAY	.0027	A	DMR R
	1032	CHROMIUM, HEX-VAL (AS CR)	.0055	KG/DAY	.0047	A	DMR R
	1034	CHROMIUM, TOTAL (AS CR)	.0055	KG/DAY	.0047	A	DMR R
	1040	COPPER, DISSOLVED (AS CU)	.0145	KG/DAY	.0167	A	DMR R
	1042	COPPER, TOTAL (AS CU)	.0255	KG/DAY	.0292	A	DMR R
	1045	IRON, TOTAL (AS FE)	.0227	KG/DAY	.0236	A	DMR R
	1046	IRON, DISSOLVED (AS FE)	.0100	KG/DAY	.0110	A	DMR R
	1049	LEAD, DISSOLVED (AS PB)	.0182	KG/DAY	.0195	A	DMR R
	1051	LEAD, TOTAL (AS PB)	.0182	KG/DAY	.0195	A	DMR R
	1065	NICKEL, DISSOLVED (AS NI)	.0373	KG/DAY	.0387	A	DMR R
	1067	NICKEL, TOTAL (AS NI)	.0400	KG/DAY	.0407	A	DMR R
003	340	CHEM. OXYGEN DEMAND (COD)	.0386	KG/DAY	.0426	A	DMR R
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0114	KG/DAY	.0124	A	DMR R
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0023	KG/DAY	.0021	A	DMR R
[illegible]	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.
005	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.
006	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.

Chris Tranchetti

853860220

N.J.D.E.P. - WATER RESOURCES DIV. - WATER QUALITY MANAGEMENT ELEMENT

ATEGORY B FEE DEVELOPMENT - LOADINGS OF ALL NUMERICALLY LIMITED PARMS
SORTED BY PIPE. BY PARM WITHIN EACH NJPDES FACILITY

TY : ~~WESTERN ELECTRIC COMPANY~~ AT&T TECHNOLOGIES

SCRIPTION		LOADING	UNITS	1983 AT&T	SOURCE CODE	SOURCE
DEMAND	(COD)	.0000	KG/DAY	530.5		- UNAVAILABLE -
ENDED.	TOTAL (TSS)	.0000	KG/DAY	90.42		- UNAVAILABLE -
TAL	(AS CR)	.0000	KG/DAY	N/A		- UNAVAILABLE -
	(AS ZN)	.0000	KG/DAY	N/A		- UNAVAILABLE -
ENDED.	TOTAL (TSS)	2.0909	KG/DAY	2,100	A	DMR REPORTED DATA
SE	(FREON EXT-GRAV MET)	.5224	KG/DAY	.5475	A	DMR REPORTED DATA
E		.0055	KG/DAY	.0027	A	DMR REPORTED DATA
X-VAL	(AS CR)	.0055	KG/DAY	.0047	A	DMR REPORTED DATA
TAL	(AS CR)	.0055	KG/DAY	.0047	A	DMR REPORTED DATA
OLVED	(AS CU)	.0145	KG/DAY	.0167	A	DMR REPORTED DATA
L	(AS CU)	.0255	KG/DAY	.0272	A	DMR REPORTED DATA
	(AS FE)	.0227	KG/DAY	.0236	A	DMR REPORTED DATA
VED	(AS FE)	.0100	KG/DAY	.0110	A	DMR REPORTED DATA
VED	(AS PB)	.0182	KG/DAY	.0195	A	DMR REPORTED DATA
	(AS PB)	.0182	KG/DAY	.0195	A	DMR REPORTED DATA
OLVED	(AS NI)	.0373	KG/DAY	.0387	A	DMR REPORTED DATA
L	(AS NI)	.0400	KG/DAY	.0407	A	DMR REPORTED DATA
DEMAND	(COD)	.0386	KG/DAY	.0426	A	DMR REPORTED DATA
ENDED.	TOTAL (TSS)	.0114	KG/DAY	.0124	A	DMR REPORTED DATA
SE	(FREON EXT-GRAV MET)	.0023	KG/DAY	.0021	A	DMR REPORTED DATA
DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
ENDED.	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
SE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
ENDED.	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
SE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
ENDED.	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
SE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.

Chris Iranchetti 3/6/85

853860221

FOLBR05 - REPORT

N.J.D.E.P. - WATER RESOURCES DIV. - WATER QUALITY MANAGEMENT ELEMENT

CATEGORY B FEE DEVELOPMENT - LOADINGS OF ALL NUMERICALLY LIMITED PARMS
SORTED BY PIPE, BY PARM WITHIN EACH NJPDES FACILITY

NJPDES : 0020443 FACILITY : ~~WESTERN ELECTRIC COMPANY~~ AT&T TECHNOLOGIES

PIPE	PARM. NO.	PARAMETER DESCRIPTION	LOADING	UNITS	1983 AT&T	SOURCE CODE	SOURC
001	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY	530.5		- UN
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY	90.42		- UN
	1034	CHROMIUM, TOTAL (AS CR)	.0000	KG/DAY	N/A		- UN
	1092	ZINC, TOTAL (AS ZN)	.0000	KG/DAY	N/A		- UN
002	530	SOLIDS, SUSPENDED, TOTAL (TSS)	2.0909	KG/DAY	2,100	A	DMR R
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.5224	KG/DAY	.5475	A	DMR R
	722	CYANIDE, FREE	.0055	KG/DAY	.0027	A	DMR R
	1032	CHROMIUM, HEX-VAL (AS CR)	.0055	KG/DAY	.0047	A	DMR R
	1034	CHROMIUM, TOTAL (AS CR)	.0055	KG/DAY	.0047	A	DMR R
	1040	COPPER, DISSOLVED (AS CU)	.0145	KG/DAY	.0167	A	DMR R
	1042	COPPER, TOTAL (AS CU)	.0255	KG/DAY	.0292	A	DMR R
	1045	IRON, TOTAL (AS FE)	.0227	KG/DAY	.0235	A	DMR R
	1046	IRON, DISSOLVED (AS FE)	.0100	KG/DAY	.0110	A	DMR R
	1049	LEAD, DISSOLVED (AS PB)	.0182	KG/DAY	.0195	A	DMR R
	1051	LEAD, TOTAL (AS PB)	.0182	KG/DAY	.0195	A	DMR R
	1065	NICKEL, DISSOLVED (AS NI)	.0373	KG/DAY	.0387	A	DMR R
	1067	NICKEL, TOTAL (AS NI)	.0400	KG/DAY	.0407	A	DMR R
003	340	CHEM. OXYGEN DEMAND (COD)	.0386	KG/DAY	.0426	A	DMR R
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0114	KG/DAY	.0124	A	DMR R
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0023	KG/DAY	.0021	A	DMR R
[illegible]	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.
005	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.
006	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.

Chris Tranchitti

853860222

N.J.D.E.P. - WATER RESOURCES DIV. - WATER QUALITY MANAGEMENT ELEMENT

CATEGORY B FEE DEVELOPMENT - LOADINGS OF ALL NUMERICALLY LIMITED PARMS
SORTED BY PIPE, BY PARM WITHIN EACH NJPDES FACILITY

ITY : ~~WESTERN ELECTRIC COMPANY~~ AT&T TECHNOLOGIES

ESCRIPTION		LOADING	UNITS	1983 AT&T	SOURCE CODE	SOURCE
N DEMAND	(COD)	.0000	KG/DAY	530.5		- UNAVAILABLE -
PENDED,	TOTAL (TSS)	.0000	KG/DAY	90.42		- UNAVAILABLE -
OTAL	(AS CR)	.0000	KG/DAY	N/A		- UNAVAILABLE -
	(AS ZN)	.0000	KG/DAY	N/A		- UNAVAILABLE -
PENDED,	TOTAL (TSS)	2.0909	KG/DAY	2,100	A	DMR REPORTED DATA
ASE	(FREON EXT-GRAV MET)	.5224	KG/DAY	.5475	A	DMR REPORTED DATA
FE		.0055	KG/DAY	.0027	A	DMR REPORTED DATA
EX-VAL	(AS CR)	.0055	KG/DAY	.0047	A	DMR REPORTED DATA
OTAL	(AS CR)	.0055	KG/DAY	.0047	A	DMR REPORTED DATA
SOLVED	(AS CU)	.0145	KG/DAY	.0167	A	DMR REPORTED DATA
AL	(AS CU)	.0255	KG/DAY	.0292	A	DMR REPORTED DATA
	(AS FE)	.0227	KG/DAY	.0235	A	DMR REPORTED DATA
LVED	(AS FE)	.0100	KG/DAY	.0110	A	DMR REPORTED DATA
LVED	(AS PB)	.0182	KG/DAY	.0195	A	DMR REPORTED DATA
	(AS PB)	.0182	KG/DAY	.0195	A	DMR REPORTED DATA
SOLVED	(AS NI)	.0373	KG/DAY	.0387	A	DMR REPORTED DATA
AL	(AS NI)	.0400	KG/DAY	.0407	A	DMR REPORTED DATA
N DEMAND	(COD)	.0386	KG/DAY	.0426	A	DMR REPORTED DATA
PENDED,	TOTAL (TSS)	.0114	KG/DAY	.0124	A	DMR REPORTED DATA
ASE	(FREON EXT-GRAV MET)	.0023	KG/DAY	.0021	A	DMR REPORTED DATA
N DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
PENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
ASE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
N DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
PENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
ASE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
N DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
PENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
ASE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.

Chris Iranchetti 3/6/85

853860223

FOLBR05 - REPORT

N.J.D.E.P. - WATER RESOURCES DIV. - WATER QUALITY MANAGEMENT ELEMENT

CATEGORY B FEE DEVELOPMENT - LOADINGS OF ALL NUMERICALLY LIMITED PARMS
SORTED BY PIPE, BY PARM WITHIN EACH NJPDES FACILITY

NJPDES : 0020443 FACILITY : ~~WESTERN ELECTRIC COMPANY~~ AT&T TECHNOLOGIES

PIPE	PARM. NO.	PARAMETER DESCRIPTION	LOADING	UNITS	1983 AT&T	SOURCE CODE	SOUR
001	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY	530.5		- U
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY	90.42		- U
	1034	CHROMIUM, TOTAL (AS CR)	.0000	KG/DAY	N/A		- U
	1092	ZINC, TOTAL (AS ZN)	.0000	KG/DAY	N/A		- U
002	530	SOLIDS, SUSPENDED, TOTAL (TSS)	2.0909	KG/DAY	2,100	A	DMR
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.5224	KG/DAY	.5475	A	DMR
	722	CYANIDE, FREE	.0055	KG/DAY	.0027	A	DMR
	1032	CHROMIUM, HEX-VAL (AS CR)	.0055	KG/DAY	.0047	A	DMR
	1034	CHROMIUM, TOTAL (AS CR)	.0055	KG/DAY	.0047	A	DMR
	1040	COPPER, DISSOLVED (AS CU)	.0145	KG/DAY	.0167	A	DMR
	1042	COPPER, TOTAL (AS CU)	.0255	KG/DAY	.0272	A	DMR
	1045	IRON, TOTAL (AS FE)	.0227	KG/DAY	.0236	A	DMR
	1046	IRON, DISSOLVED (AS FE)	.0100	KG/DAY	.0110	A	DMR
	1049	LEAD, DISSOLVED (AS PB)	.0182	KG/DAY	.0195	A	DMR
	1051	LEAD, TOTAL (AS PB)	.0182	KG/DAY	.0195	A	DMR
	1065	NICKEL, DISSOLVED (AS NI)	.0373	KG/DAY	.0387	A	DMR
	1067	NICKEL, TOTAL (AS NI)	.0400	KG/DAY	.0407	A	DMR
503	340	CHEM. OXYGEN DEMAND (COD)	.0386	KG/DAY	.0426	A	DMR
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0114	KG/DAY	.0124	A	DMR
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0023	KG/DAY	.0021	A	DMR
504	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.
505	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.
506	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.

Chris Tranchitella

853860224

N.J.D.E.P. - WATER RESOURCES DIV. - WATER QUALITY MANAGEMENT ELEMENT

:ATEGORY B FEE DEVELOPMENT - LOADINGS OF ALL NUMERICALLY LIMITED PARMS
SORTED BY PIPE, BY PARM WITHIN EACH NJPDES FACILITY

:TY : ~~WESTERN ELECTRIC COMPANY~~ AT&T TECHNOLOGIES

:SCRIPTION		LOADING	UNITS	1983 AT&T	SOURCE CODE	SOURCE
I DEMAND	(COD)	.0000	KG/DAY	530.5		- UNAVAILABLE -
?ENDED,	TOTAL (TSS)	.0000	KG/DAY	90.42		- UNAVAILABLE -
)TAL	(AS CR)	.0000	KG/DAY	N/A		- UNAVAILABLE -
	(AS ZN)	.0000	KG/DAY	N/A		- UNAVAILABLE -
?ENDED,	TOTAL (TSS)	2.0909	KG/DAY	2.100	A	DMR REPORTED DATA
\SE	(FREON EXT-GRAV MET)	.5224	KG/DAY	.5475	A	DMR REPORTED DATA
:E		.0055	KG/DAY	.0027	A	DMR REPORTED DATA
:X-VAL	(AS CR)	.0055	KG/DAY	.0047	A	DMR REPORTED DATA
)TAL	(AS CR)	.0055	KG/DAY	.0047	A	DMR REPORTED DATA
;OLVED	(AS CU)	.0145	KG/DAY	.0167	A	DMR REPORTED DATA
\L	(AS CU)	.0255	KG/DAY	.0272	A	DMR REPORTED DATA
	(AS FE)	.0227	KG/DAY	.0235	A	DMR REPORTED DATA
.VED	(AS FE)	.0100	KG/DAY	.0110	A	DMR REPORTED DATA
.VED	(AS PB)	.0182	KG/DAY	.0195	A	DMR REPORTED DATA
	(AS PB)	.0182	KG/DAY	.0195	A	DMR REPORTED DATA
;OLVED	(AS NI)	.0373	KG/DAY	.0387	A	DMR REPORTED DATA
\L	(AS NI)	.0400	KG/DAY	.0407	A	DMR REPORTED DATA
V DEMAND	(COD)	.0386	KG/DAY	.0426	A	DMR REPORTED DATA
?ENDED,	TOTAL (TSS)	.0114	KG/DAY	.0124	A	DMR REPORTED DATA
\SE	(FREON EXT-GRAV MET)	.0023	KG/DAY	.0021	A	DMR REPORTED DATA
V DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
?ENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
\SE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
V DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
?ENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
\SE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
V DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
?ENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
\SE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.

Chris Iranchetti 3/6/85

FOLBR05 - REPORT

N.J.D.E.P. - WATER RESOURCES DIV. - WATER QUALITY MANAGEMENT ELEMENT

CATEGORY B FEE DEVELOPMENT - LOADINGS OF ALL NUMERICALLY LIMITED PARMS
SORTED BY PIPE, BY PARM WITHIN EACH NJPDES FACILITY

NJPDES : 0020443 FACILITY : ~~WESTERN ELECTRIC COMPANY~~ AT&T TECHNOLOGIES

PIPE	PARM. NO.	PARAMETER DESCRIPTION	LOADING	UNITS	1983 AT&T	SOURCE CODE	SOURC
001	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY	530.5		- UN
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY	90.42		- UN
	1034	CHROMIUM, TOTAL (AS CR)	.0000	KG/DAY	N/A		- UN
	1092	ZINC, TOTAL (AS ZN)	.0000	KG/DAY	N/A		- UN
002	530	SOLIDS, SUSPENDED, TOTAL (TSS)	2.0909	KG/DAY	2,100	A	DMR R
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.5224	KG/DAY	.5475	A	DMR R
	722	CYANIDE, FREE	.0055	KG/DAY	.0027	A	DMR R
	1032	CHROMIUM, HEX-VAL (AS CR)	.0055	KG/DAY	.0047	A	DMR R
	1034	CHROMIUM, TOTAL (AS CR)	.0055	KG/DAY	.0047	A	DMR R
	1040	COPPER, DISSOLVED (AS CU)	.0145	KG/DAY	.0167	A	DMR R
	1042	COPPER, TOTAL (AS CU)	.0255	KG/DAY	.0272	A	DMR R
	1045	IRON, TOTAL (AS FE)	.0227	KG/DAY	.0236	A	DMR R
	1046	IRON, DISSOLVED (AS FE)	.0100	KG/DAY	.0110	A	DMR R
	1049	LEAD, DISSOLVED (AS PB)	.0182	KG/DAY	.0195	A	DMR R
	1051	LEAD, TOTAL (AS PB)	.0182	KG/DAY	.0195	A	DMR R
	1065	NICKEL, DISSOLVED (AS NI)	.0373	KG/DAY	.0387	A	DMR R
	1067	NICKEL, TOTAL (AS NI)	.0400	KG/DAY	.0407	A	DMR R
003	340	CHEM. OXYGEN DEMAND (COD)	.0386	KG/DAY	.0426	A	DMR R
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0114	KG/DAY	.0124	A	DMR R
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0023	KG/DAY	.0021	A	DMR R
[illegible]	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.
005	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.
006	340	CHEM. OXYGEN DEMAND (COD)	.0000	KG/DAY		C	CONC.
	530	SOLIDS, SUSPENDED, TOTAL (TSS)	.0000	KG/DAY		C	CONC.
	556	OIL AND GREASE (FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC.

Chris Tranchitti

853860226

N.J.D.E.P. - WATER RESOURCES DIV. - WATER QUALITY MANAGEMENT ELEMENT

CATEGORY B FEE DEVELOPMENT - LOADINGS OF ALL NUMERICALLY LIMITED PARMS
SORTED BY PIPE, BY PARM WITHIN EACH NJPDES FACILITY

LITY : ~~WESTERN ELECTRIC COMPANY~~ AT&T TECHNOLOGIES

DESCRIPTION		LOADING	UNITS	1983 AT&T	SOURCE CODE	SOURCE
EN DEMAND	(COD)	.0000	KG/DAY	530.5		- UNAVAILABLE -
SPENDED,	TOTAL (TSS)	.0000	KG/DAY	90.42		- UNAVAILABLE -
TOTAL	(AS CR)	.0000	KG/DAY	N/A		- UNAVAILABLE -
	(AS ZN)	.0000	KG/DAY	N/A		- UNAVAILABLE -
SPENDED,	TOTAL (TSS)	2.0909	KG/DAY	2,100	A	DMR REPORTED DATA
EASE	(FREON EXT-GRAV MET)	.5224	KG/DAY	.5475	A	DMR REPORTED DATA
REE		.0055	KG/DAY	.0027	A	DMR REPORTED DATA
HEX-VAL	(AS CR)	.0055	KG/DAY	.0047	A	DMR REPORTED DATA
TOTAL	(AS CR)	.0055	KG/DAY	.0047	A	DMR REPORTED DATA
SSOLVED	(AS CU)	.0145	KG/DAY	.0167	A	DMR REPORTED DATA
TAL	(AS CU)	.0255	KG/DAY	.0292	A	DMR REPORTED DATA
L	(AS FE)	.0227	KG/DAY	.0235	A	DMR REPORTED DATA
OLVED	(AS FE)	.0100	KG/DAY	.0110	A	DMR REPORTED DATA
OLVED	(AS PB)	.0182	KG/DAY	.0195	A	DMR REPORTED DATA
L	(AS PB)	.0182	KG/DAY	.0195	A	DMR REPORTED DATA
SSOLVED	(AS NI)	.0373	KG/DAY	.0387	A	DMR REPORTED DATA
TAL	(AS NI)	.0400	KG/DAY	.0407	A	DMR REPORTED DATA
EN DEMAND	(COD)	.0386	KG/DAY	.0426	A	DMR REPORTED DATA
SPENDED,	TOTAL (TSS)	.0114	KG/DAY	.0124	A	DMR REPORTED DATA
EASE	(FREON EXT-GRAV MET)	.0023	KG/DAY	.0021	A	DMR REPORTED DATA
EN DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
SPENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
EASE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
EN DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
SPENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
EASE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
EN DEMAND	(COD)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
SPENDED,	TOTAL (TSS)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.
EASE	(FREON EXT-GRAV MET)	.0000	KG/DAY		C	CONC. LIMIT & FLOW REPTD.

Chris Franchetti 3/6/85

853860227

Affidavit of Exemption
from the
New Jersey Pollutant
Discharge Elimination System Permit
NJPDES # 0020443

State of New Jersey)**ss:**
County of Hudson)

AT&T Technologies Inc.,100 Central Avenue, Kearny, N.J., being sworn, state

1. **I am** * R. B. Butterfield Jr, General Manager
(Title and Position)
of AT&T Technologies, Inc. Kearny Works
(Name of Company)

2. **I have personal knowledge of the facts set forth herein.**

3. **NJPDES Permit No.** 0020443 **, issued on** 7/1/79, and administratively extended past 6/30/81, authorized the following "discharge" of "pollutants" to the waters of the State of New Jersey from AT&T Technologies, Inc. Kearny Works.

(Check appropriate type of discharge(s)).

___ **Surface water/Municipal**
_X_ **Surface water/Industrial**
___ **Surface water/Thermal**
___ **Land application of sludge & septage**
___ **Land application/Industrial Waste residue**
___ **Landfill - Industrial/ Commercial**
___ **Landfill - Municipal**
___ **Spray Irrigation - Industrial/Commercial**
___ **Spray Irrigation/Domestic**
___ **Overland Flow - Industrial/Commercial**
___ **Rapid Infiltration - Industrial/Commercial**
___ **Rapid Infiltration**
___ **Surface Impoundment - Industrial/Commercial**
___ **Surface Impoundment/Domestic**
___ **Underground Injection - Industrial/Commercial**
___ **Underground Injection/Domestic**
___ **Significant Industrial User**
___ **Individual Subsurface Sewage Disposal - Industrial/Commercial**
___ **Individual Subsurface Sewage Disposal - Community**
___ **Overland Flow/Domestic**
___ **Rapid Infiltration**
___ **Surface Impoundment/Domestic**
___ **Underground Injection/Domestic**

Other - Describe _____

These terms are as defined in Section 3 of the New Jersey "Water Pollution Control Act" N.J.S.A. 58:10A-1 et seq. and the New Jersey Pollutant Discharge Elimination System Regulations, N.J.A.C 7:14A-1 et seq.

* Signatory must be the person responsible under N.J.A.C. 7:14A-2.4(b).

853860228

4. AT&T Technologies, Inc., Kearny Works, will no longer be discharging pollutants to the waters of the State as described in No. 3 above, effective on or before December 31, 1985.

5. _____ is no longer discharging wastes because of the following:

___ Facility has been closed
___ Connection to sewerage authority
___ In-plant recycling
___ Other - describe _____

_____

6. I understand that NJPDES permit fees are payable until the date the Department receives this affidavit.

7. I understand that it is a violation of the "Water Pollution Control Act" N.J.S.A. 58:10A-1 et seq. to discharge pollutants except in conformity with a NJPDES permit and that I may be subject to significant civil/criminal penalties for said violation.

R B Butterfield Jr
(Signature)

R. B. Butterfield, Jr.
(Type Name)

Sworn to and signed in my presence this 28th day of June, 1985.

Helen J. Hazadow
(Signature)

(Seal)

Notary Public in and for the County of Union, State of New Jersey.

BE ON NOTICE THAT any person who knowingly makes a false statement, representation, or certification in any application, record, or other document filed or required to be maintained under the Water Pollution Control Act... shall, upon conviction, be subject to a fine of not more than $10,000.00 or by imprisonment for not more than 6 months, or both.

A copy of this affadavit shall be kept on the premises and be available for inspection by the Department.

WQM7-H/L:lml

Affidavit Submitted to:
Mr. Herman Adelman, NJDEP

Copy to:
Mr. Flavian Stellerine, NJDEP

853860229

RECEIVED

OCT 4 - 1985

SAFETY & ENVIRONMENTAL CONTROL

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT

HAZARDOUS SITE MITIGATION ADMINISTRATION

CN 028 Trenton, N.J. 08625

MARWAN M. SADAT, P.E.
DIRECTOR

JORGE H. BERKOWITZ, Ph.D.
ADMINISTRATOR

From Alan Chesler
on 1/10/86

Copy to Joe Goliszewski
& Angelo Basile on
1/14/86

Pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (NJDEP) by the Environmental Cleanup Responsibility Act (ECRA, N.J.S.A. 13:1K-6 et seq.) and duly delegated to the Chief of the Bureau of Industrial Site Evaluation pursuant to N.J.S.A. 13:1B-4, the referenced Industrial Establishment is considered to be in full compliance with the Act. NJDEP hereby certifies that the referenced Cleanup Plan has been implemented and completed in accordance with the terms of the July 30, 1984 approval.

This certification is based upon the satisfactory completion of the Cleanup Plan as supported by site final Cleanup report dated August 27, 1985 and NJDEP's final inspection on September 9, 1985.

This Notice will serve to return and release the referenced Financial Assurance and any other funds held pending compliance with ECRA.

Sincerely,

Anthony J. McMahon, Chief
Bureau of Industrial Site Evaluation

MS38:dr

New Jersey Is An Equal Opportunity Employer

853860230

4. STORAGE FACILITIES

The site maps in Section 2 of this Notice have a vertical (alphabetical) grid index on the left hand side, and a horizontal (numerical) grid index along the top. The following paragraphs discuss storage facilities in a clockwise order of rotation beginning in the lower left corner of the first site map titled, "Site Plan - Bulk Storage and Transfer."

1. Building 25, Grid Index J-4, has 32 adjacent underground tanks. The tanks range in capacity from 500 gallons to 4,000 gallons. The tanks contained oils and paint thinners but were drained and filled with sand approximately 20 years ago. No action is therefore necessary.

2. A small amount of silt pumped from Powerhouse cooling water tunnels was examined for contaminants and deposited at Grid Index J-2 several years ago. A laboratory report on the silt is included in Section 16 of this Notice. The silt is environmentally innocuous, and no action is therefore necessary.

3. An outdoor storage yard for virgin materials and another for waste materials are located at Grid Index I-3. The materials are stored on impervious pavement, and no spills have occurred. See action proposed under Section 9 of this Notice, Decontamination, Decommission and Disposal, Procedure No. 1.

4. Four, 10,000 gallon, underground tanks are located south of Building 83 at Grid Index H-3. Three tanks contained No. 4 oil and were drained and filled with sand approximately 15 years ago, therefore no action is needed for these tanks. The fourth tank contains diesel oil. It is currently in use, well maintained and regularly gauged. No leakage is evident. See action proposed under Section 9, Procedure No. 2.

5. The 840,000 gallon, Powerhouse standby, No. 6 oil tank is at Grid Index G-3. The tank floor is a heavily reenforced, sixteen inch thick concrete slab on a piling grillage 3 ft., 10 in. on centers in both directions. The steel tank walls are entirely visible with no evidence of leakage. The tank is surrounded by a steel dike of adequate capacity to contain a complete rupture. The tank is well maintained and regularly gauged. See action proposed under Section 9, Procedure No. 1.

6. Building 85 basement, Grid Index E-1, has some slightly oily liquids in pits and dried, copper-bearing sludge on the floor. See action proposed under Section 9, Procedure No. 1.

7. The 20,000 gallon, Powerhouse, No. 6 oil day tank, Grid Index F-3, is in an underground vault and not used. There is no evidence of leakage. See action proposed in Section 9, Procedure No. 2.

8. The Garage, Grid Index E-7, has two underground 10,000 gallon gasoline tanks. The tanks are well maintained, regularly gauged and show no evidence of leakage. See action proposed in Section 9, Procedure No. 2.

9. There are two, above ground, 1,800 gallon, liquefied petroleum gas tanks at Grid Index E-8 and three more at Grid Index B-19. Any spills would instantly volatilize. See action proposed in Section 9, Procedure No. 2.

10. Raw materials and empty drums are stored on impervious pavement in an outside yard at Grid Index E-12. See action proposed in Section 9, Procedure No. 1.

11. Numerous above-ground tanks serve the plating operations and its associated Waste Treatment Plant, along with a conveyorized paint line-washing machine in Building 185. Refer to Grid Index D-13. The entire train of tanks, piping, exhaust ductwork and pollution control equipment will be decontaminated as outlined in Section 9, Procedure No. 3.

12. Buildings 170 and 161, Grid Index I-15, were environmentally cleaned and demolished in 1981. No action is therefore necessary.

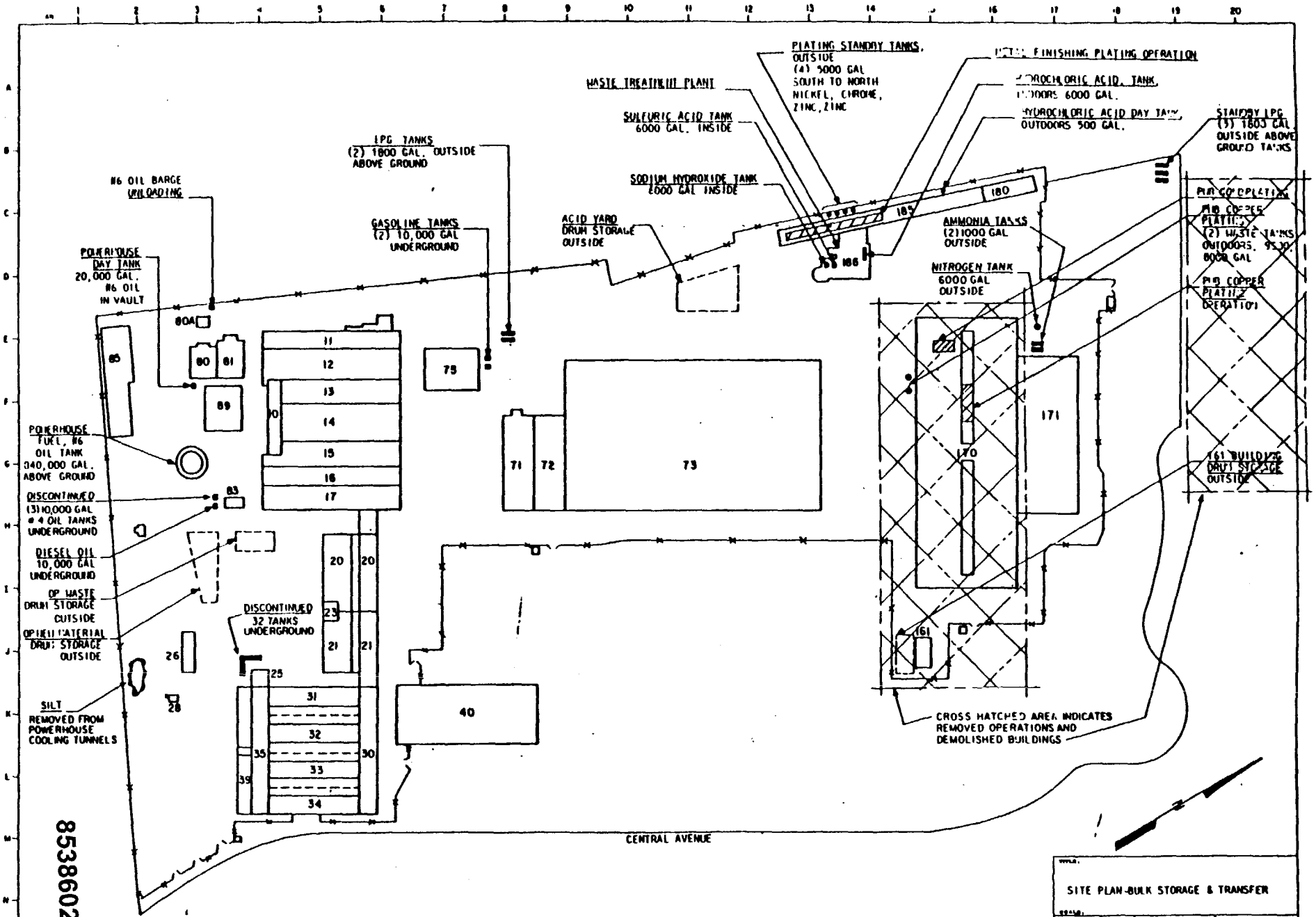
13. Building 171 has two, outside, above-ground, 1,000 gallon, anhydrous ammonia tanks and one, 6,000 galon, liquefied nitrogen tank at Grid Index E-17. Any spills would instantly vaporize. See action proposed in Section 9, Procedure No. 4.

14. Building 171 has a small heat sink oxidizing operation at Grid Index E-17 and a washing machine with cleaning tanks at Grid Index F-18. All are effluent-piped to the Waste Treatment Plant and will be decontaminated aong with Building 185 plating solutions as outlined in Section 9, Procedure No. 3.

15. Air conditioning is provided to a number of buildings via the circulations of chromated, chilled water generated in the Powerhouse, Grid Index E-3. See action proposed in Section 9, Procedure No. 3.

16. Prior to 1963, a large coal pile was maintained in the area defined by Grid Indices F-H-2-3. The weight of the coal probably produced soil settlement, and there may be a thin layer of coal fines under the current gravel surface. this is environmentally harmless, therefore no action is required.

Refer also to Section 6 of this Notice for a inventory of numerous small quantities of hazardous materials which fall within the purview of the Cleanup Regulations.



853860234

SITE PLAN-BULK STORAGE & TRANSFER

WESTERN ELECTRIC COMPANY, INC.

8452-120579-A